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Liv. 6267  
**LIVINGSTON'S SEED ANNUAL**  
 1901.  
 LIBRARY

MAGNUS  
 INSIDE OF  
 WHOUSE



MAGNUS  
 OUTSIDE ON  
 STAKES.



LIVINGSTON'S  
 NEW MAGNUS  
 TOMATO

THE  
**LIVINGSTON SEED CO.**  
 COLUMBUS, OHIO  
 U.S.A.



# PROLIFIC Early Market PEA

A GRAND NEW EXTRA EARLY  
FOR 1901.

LONGER PODDED, MORE PROLIFIC THAN  
LIVINGSTONE  
AND ONLY FOUR OR FIVE

MARKET



# 1901 GREENING 1901

IT IS WITH PLEASURE WE PRESENT YOU OUR SEED ANNUAL FOR NINETEEN HUNDRED AND ONE. In its preparation we have aimed to make a plain, straightforward systematic and EASY-TO-ORDER-FROM catalogue. We believe our efforts will be appreciated by the intelligent seed buyer of today.

FIFTY YEARS IS A LONG TIME in any business. Very few Seed Houses of today were in existence at the time our establishment was founded. Many changes in seed production and handling have occurred in that time. We were "born in the business," and a very substantial growth from year to year in all this time indicates that we have grown with the business. As a proof, we refer to our present standing and credit; to our greater facilities for prompt shipment of orders and replies to inquiries; to a larger corps of men who help, (many of them having grown up with us in the house, or on the farm.) With our past successes to guide and inspire us, we enter this the first year of the New Century with greater aspirations than ever before. TRUE BLUE SEEDS, THE BEST OF THE BEST, are able to produce, our fair dealings and reasonable prices have won us the enviable name we purport to maintain. PLEASED CUSTOMERS everywhere, speaking good words for us, are an equally potent factor and account in great measure for the dissemination of TRUE BLUE SEEDS all over the civilized world. The season of 1900 brought us more orders than we ever had the pleasure of receiving in any previous year. We assure the reader that we appreciate all orders, great or small, from old or new customers, as much today as ever, and we hope always merit the same. With thanks for past favors, and wishing all a prosperous 1901, we await your orders with pleasure.

Respectfully yours,

THE LIVINGSTON SEED COMPANY, COLUMBUS, OHIO.

**TORRE—114 North High St. TRIAL GARDENS—Neil and Tenth Aves. "TRUE BLUE" SEED FARM—2 miles out.**  
**OUR SEED ANNUAL IS FREE TO ALL SEED USERS.**—Anyone wanting it sends their address, we take the rest.) We regard this Annual as a treat out for orders. To us it seems "short sighted" to charge for a Seed Annual (Catalogue) or use any jugglery to get it into a grower's hands.

## IMPORTANT SUGGESTIONS.

**Columbus** is a city of over 110,000 inhabitants, is centrally located geographically, has 17 Railroads, 5 different Express Companies, Telegraph and Telephone wires in all directions, which afford us unequalled facilities for receiving orders, shipping and procuring lowest rates on all parts of the continent. We are able to ship goods to all parts of the country at the lowest possible rates.

**Within Twenty-four Hours' time we can reach two-thirds of the Population of the United States.**  
**Always Use the Order Blank** and Envelopes sent with the Catalogue when possible. Write plainly, keep a copy of your order, and be sure to sign your name, Post-Office, County, State and date every time you write to us. Extra Envelopes and Order Blanks are sent on application, also additional Catalogues, if desired.

**Send Money.** Cash Should always accompany the order. Remittance may be made at our risk by any of the following methods: (1st) and best—**Post-Office Order** (2d) **Cash on New York**; (3d) **Express Co.'s Money Order**; (4th) **Cash by Express** in amounts not less than \$5.00; (5th) **Registered Letters**. When money cannot be sent by either of the first four methods it may be enclosed in a Registered Letter. The rates charged for Post-Office Orders and Express Money Orders are now so low that this is the best way to remit where they can be obtained. We will bear expenses of sending money in either of above ways when order amounts to \$1.00 or over.

**Goods Sent C. O. D.** Unless cash to the amount of one-fourth the order accompanies the same.

**Seeds by Mail.** Sending seeds by mail is a very important branch of our business, and is handled with the greatest care. All orders are promptly and correctly the day they are received in nearly all cases.

**Prices.** In comparing our mail prices, especially on heavy seeds, such as Peas, Beans and Corn by the quart and the pint, other seeds by the pound and one-fourth pound, **BEAR IN MIND** that we pay the postage on all orders. (2d) **Remember** that our mailing packets of heavy seeds, like Peas, Beans, etc., quoted as seedsmen at 5 cents per packet, **postpaid**, contain but a half amount of seed, after allowing for the 2 or 3 cents postage that it takes to mail each packet. **Prefer to please customers rather than get them to put up with liberal 10 cent packets of such seeds.**

**Early.** It is important to order as soon after you get the Catalogue as convenient, then you will have your seed early and for planting when you want them; besides if you want large quantities, they can be sent by freight very much cheaper.

**Express.** Small orders, however, can often be sent by express. When goods are to be shipped by freight or express, give shipping directions; otherwise we use our best judgment.

**Dealers.** Any Dealer, Market Gardener, Institution or any individual wishing seeds in large quantities, are mail us a list of what they want and we will promptly supply you with the very lowest prices marked. A letter of **save you dollars** if you want to buy in quantity.

**Small.** If you only want a single packet, do not hesitate to order it. We take as much pains with small orders as with large ones. Small Time Blue Seed orders are sure to grow larger.

**Write us** for any information pertaining to our business, and not found in this Catalogue, on a separate paper from your order, as your letter goes to the general or order to the mail or other department.

By Observing the following Rules and Directions Mistakes and Misunderstandings will be Avoided.

**We Urge** Customers to inform us promptly on the arrival of orders if not in good condition, well packed and filled exactly as ordered; also to report, after growth, the result, and especially if anything proves otherwise than expected. We aim to make friends of our customers, and mail orders receive the same careful attention that customers do over our counters.

**Our Seed Annual.** Please show this Seed Annual to your friends, and if you should receive an extra copy be kind enough to hand it to some neighbor interested in seeds who will be pleased to get it. We will be glad to send a copy free to any of your friends in this or any other country likely to want seeds. In return we will ask you to **send a good word for us** to your friends and neighbors. As order is secured, no matter how small, secures our Catalogue for next season as soon as issued.

**Change of Address.** If you have changed, or intend to change your address, please let us know, and we will change it on our books, so that you will receive our Seed Annual, without application, at your new Post-Office.

**If you have Rural Mail Delivery** be sure to give the Name and Number of your Route, if necessary, when ordering.

**Guarantee.** Complaints made that seeds are not good, should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil; insects of all descriptions destroying the plants as soon as, or before, they appear; wet weather, cold weather, frosts, chemical changes in the seeds influenced by temperature, etc. So preparation for the reception of seed is very important; if not properly done seed with very high germination is bound to perish. For all these reasons it is impossible to guarantee seeds under all circumstances, and, while we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty, expressed or implied. **If the purchaser does not accept the seeds on these terms and conditions they must be returned at once and the money that has been paid for the same will be refunded.** We test our seeds before sending out, and should they fail to grow, if promptly and properly tested by the customer, we will replace the same kind or give value in other seeds. We cannot afford, knowingly, to send out seeds doubtful as to vitality or purity, and you can get no better stocks of any seedsmen, even though he **fraternally professes to warrant seeds**, which frequently covers nothing but the amount paid for the seed. If you do not think so, inquire into the extent of the warranty and you will ascertain that your warrants are not crop protection. A guarantee from an irresponsible seedsmen is of no value whatever.

## V PROLIFIC EARLY MARKET PEA.

(See Illustration on opposite page.)

**Longest Podded of all Extra Earlys. A Fit Companion and Close Second to Livingston's First in Market.**

**LENGTH OF Pod.** **It is a PROLIFIC EARLY MARKET PEA.**  
**PEAS IN A VINE.** **It is a PROLIFIC EARLY MARKET PEA.**

One of Extra Earlys have been sent out within the last quarter century under various names, claims, etc., but not one of them compares with V PROLIFIC EARLY MARKET in length of pod, number of peas in a pod, and number of pods to a vine. **For ten years past** we have carried this variety, from year to year, the development of this excellent pea from a single vine, with a view of introducing it to our trade just as soon as perfect stock could be secured. We now have that pleasure. This Pea has been developed in the hands of one of our best growers, the well-known expert, Mr. Knapp. Read his "fair and square" description—**About ten years ago I selected a very productive plant of an Extra Early Pea, having an exceptionally long pod. From this single plant I selected the best of the seed, and raised a strain of Extra Earlys. The past season I have raised a very fine lot of V PROLIFIC EARLY MARKET. This Pea for earliness, in '91, '96 and '97, shows it to blossom two days later than our earliest and best strain of Extra Earlys, and in development of pods suitable for picking about three or four days behind; but the remarkable productiveness and length of pods have followed this strain through all these years. Many of the plants this season (1900) containing 40 to 50 fully developed peas as a result of one seed sown. I have it will yield 30 to 50 percent more than any other strain of Extra Earlys. The past season I have raised a very fine lot of V PROLIFIC EARLY MARKET in field culture; on this account it will make a very desirable Pea for the Southern Shipper."** A very valuable Pea both for the home and market garden, and the canner and shipper will find it the Pea for their use. We regret that it can be offered only by packet this season, 1901. **Packet, 15 cents; 4 packets for 50 cents, postpaid.**

## Livingston Seed Co.'s

16 Pages of

NOVELTIES and  
SPECIALTIES.

Novelties are usually the most interesting to customers, no matter how many favorites they may have among the many standard varieties. It is our aim to offer in this department nothing but varieties of real merit and value, and such as are highly endorsed by leading specialists, farmers and growers throughout the country, hence customers are seldom disappointed in any Novelty we offer. One of the uses to which our Trial Grounds, near this city, are put is the thorough testing of all new things as soon as offered.

We are always pleased to receive Samples of New, Rare or Superior Seeds, Potatoes, etc., which our customers may send us for trial.

## Extras.

As has been our custom for many years, we have again put up thousands of packets of New AND RARE FLOWER AND VEGETABLE SEED to send out for TRIAL, with orders from customers. **FREE OF CHARGE.**

Our New Tomato,  
Livingston's **Magnus**

**BIG MONEY**  
Growing Magnus  
for Early Market.

♦ ♦ ♦ ♦ INTRODUCED BY US LAST SEASON. ♦ ♦ ♦ ♦

This distinct new variety, of the color of Beauty and Acme, is one of our very best additions to the Tomato family. It is fully as early, thicker, heavier and more solid than either of the above, making it easily the most handsome sort in cultivation. It is unsurpassed in quality, and in the production of fine, large fruits. While well adapted to main crop planting, it matures so quickly that it **takes first rank for early market.**

The form is perfect, uniform, large and attractive. Flesh is very firm. It is a robust grower, with short joints, setting its clusters closer together than most varieties, and is therefore a heavy cropper. The fruits are usually very deep from stem to blossom end, some of them being almost globe shaped. It ripens evenly, does not crack about the stem, and the flavor is most desirable.

We have tested it for several years for staking up in the open field, as well as for forcing in greenhouses, and we believe it to be entirely unequalled for such purposes, and that there is **more money in growing it** for early market than any known variety, because it has about four clusters of fruit where others have three. The fruit and clusters are larger and it comes in early while the prices are fancy. Magnus has surely come up to what we anticipated in adding to our reputation as leading introducers of new Tomatoes.

Price Seed from Selected Fruits—Pkt., 10c.;  $\frac{1}{2}$  oz., 30c.; oz., 50c.; 2 ozs., 85c.;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00, postpaid.

W. C. BRAGAW, Marion Co., Florida, Aug. 1, 1900, writes: "Your Magnus Tomato has been pronounced by growers here the finest ever seen. I think it will prove a very valuable shipping variety."

LEROY N. BROWN, Sandusky Co., Ohio, Oct. 8, 1900, writes: "If you have never before been enticed to the highest seed, you certainly are now, for your Magnus Tomato is the finest I have ever seen or grown, and I doubt whether a better one will ever be produced."

T. C. LOOSE, Montgomery Co., Ohio, Oct. 8, 1900, writes: "Your Magnus Tomato was fine. Seed planted 6th of March gave ripe fruit July 28. 10 ounces. O. K. Trellises 6 feet high."

J. FRANK MEAD, Grandville, Mich., says: "The Magnus is the greatest greenhouse tomato I ever saw, and produces immense quantities of handsome fruit. Plants set in side-benches 2 $\frac{1}{2}$  feet apart and trained over head were a sight to see."





**PRIZES  
RECENTLY  
TAKEN.**

First Prize at the Peoria, Ill., Corn Exposition, where over 140 exhibits were in competition at the shelling contest. Also two prizes Iowa State Fair shelling contest where competition was very sharp

# Livingston's Early Golden Surprise Field Corn.

The Large Amount of Corn  
Produced on such Small Cobs **Surprises Everyone.**

A VARIETY OF MERIT offered, and named by us, three years ago, and, as anticipated, it has met with general favor. Our Description of GOLDEN SURPRISE consists of Plain, Unvarnished Statements and Simple Facts.

The illustration is a reproduction from a photograph, and, although greatly reduced in size, will give a very accurate idea of the ears. The cob shown in cut is actually enclosed in an ear, while this fact cannot be performed with all the cobs, many can be found equally as small. The corn, as a whole, is indicative of its name, and is indeed a **GENUINE SURPRISE** to all who behold it. **BEAUTIFUL** in its rich golden color and even size from butt to tip of ear. **PROFITABLE** in its depth of grain and small percent of waste of cob. **CONVENIENT** in its short strong fodder growth and easy break of ear from the stalk. **CERTAIN** in its early maturity, and **ALL POINTS CONSIDERED**, is the **BEST NINETY-DAY CORN** up to date.

Ten years close observation, careful breeding and selection has brought about the desired result.

**Yielding Qualities.**—We might multiply statistics as to yield, but the stated yield per acre of any variety, no matter how true, is more often misleading than of practical value, and greatly depends on soil,

climate and condition under which it is grown, and varies according to locality. We have tested this corn for several years in various localities in comparison with well-known sorts and find it fully equal in average bulk to any on the market. In size it will compare favorably with the well-known Leaming, but in depth of grain and weight of shelled corn per bushel it has no competitor, having to every 68 lbs. of corn in ear a gain in weight of 4 lbs. over any known variety—cob waste only 8 lbs., sometimes less. Its habit of growth is a short, strong stalk, with broad closely set leaves, which makes it a superior fodder corn.

**Golden Surprise** is a new, distinct, yellow Dent variety of unquestionable merit, destined to become a popular and profitable field corn. An **Occasional Ear** with deep amber colored grains will be found; it relies on this for its valued earliness, hence has never been entirely bred out.

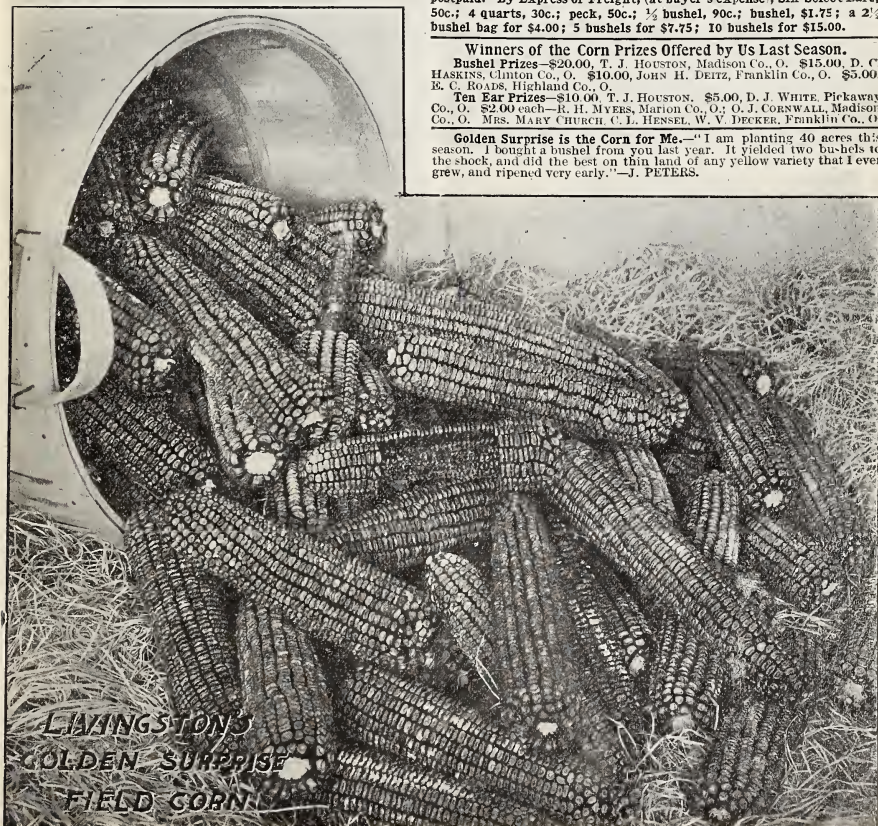
**Price.** Hand Picked, Hand Shelled Corn—By Mail, Sample Ear, 25c.; large packet, 10c.; pound, 25c.; 3 pounds, 60c., postpaid. By Express or Freight, (at buyer's expense, Six Select Ears, 50c.; 4 quarts, 30c.; peck, 50c.;  $\frac{1}{2}$  bushel, 90c.; bushel, \$1.75; a 2 $\frac{1}{2}$  bushel bag for \$4.00; 5 bushels for \$7.75; 10 bushels for \$15.00.

**Winners of the Corn Prizes Offered by Us Last Season.**

**Bushel Prizes**—\$20.00, T. J. HOUSTON, Madison Co., O. \$15.00, D. C. HASKINS, Clinton Co., O. \$10.00, JOHN H. DEITZ, Franklin Co., O. \$5.00, E. C. ROADS, Highland Co., O.

**Ten Ear Prizes**—\$10.00, T. J. HOUSTON. \$5.00, D. J. WHITE, Pickaway Co., O. \$2.00 each—R. H. MYERS, Marion Co., O.; O. J. CORNWALL, Madison Co., O. MRS. MARY CHURCH, C. L. HENSEL, W. V. DECKER, Franklin Co., O.

**Golden Surprise is the Corn for Me.**—"I am planting 40 acres this season. I bought a bushel from you last year. It yielded two bushels to the shock, and did the best on thin land of any yellow variety that I ever grew, and ripened very early."—J. PETERS.



**LIVINGSTON'S  
GOLDEN SURPRISE  
FIELD CORN**



## Livingston's New Pencil Pod Wax Beans.

All of the Wax Beans that are hardy enough to be profitable for Market growing are characterized by too much stringiness for high table quality. Our New Yellow Pencil Pod overcomes this disadvantage entirely. Although hardy, it is absolutely stringless, tender and of the most luscious quality. The smooth, perfectly round, straight pencil shape of the beautiful pods, suggested the name—**Yellow Pencil Pod.**

In points of vigor, hardness and prolificacy, no other sort equals it, and when to this is added its greatly superior table quality, it will be quickly apparent to all that the New Yellow Pencil Pod stands in a class by itself. We offer it as, by all odds, the best Market Gardener's Wax Bean to be found anywhere. We sold this bean last year in all parts of the United States and not a single unfavorable report has been received. Our claim of "absolute freedom from strings" combined with "hardiness and prolificacy," is well established, not only by our own tests, but by the trials of disinterested practical gardeners.

PRICE—Postpaid Pkt., 10c.; qt., 30c.; gal., 55c. By Express, not paid, qt., 40c.;  $\frac{1}{2}$  pk., \$1.25; pk., \$2.25.



### What Gardeners Say.

"The Pencil Pod Bean proves to be quite hardy, an early and continuous bearer of **grand quality**, and I consider it a **decided acquisition**. I usually plant about 20 varieties of Beans."

"The Pencil Bean you sent me I planted May 25th, and we used the first of them on the 12th of July (18 days). They came through a long dry spell. Very productive, free from rust, and fine flavor."

"I am very much pleased with the Pencil Bean. It is a strong grower, and a **heavy bearer**, and the quality is splendid."

"The Yellow Potted Pencil Beans you sent me last Spring for trial proved to be all you claimed for them. They were very tender, stringless and luscious, and the **best we have raised in years.**"

"The Yellow Pencil Pod wax Bean is an early, bountiful producer, and of a very rich flavor. We were much pleased with it."

"I find the New Yellow Pencil Pod Wax Bean all right. They are good bearers, and of nice, rich, yellow color."

"The Yellow Pencil Pod Wax Beans furnished a bountiful crop of the very best beans in September, and I think it will be very useful here."

## The Royal Corn Bean.

This is a remarkably good Pole Bean, which we believe, is entirely unknown outside of our Columbus market. It is a green-podded snap bean, whose pods are produced in large clusters or handfuls: shape long, semi-round; stringless; very tender, and produced in wonderful profusion. The dry seed resembles very much Dwarf White Kidney or Royal Dwarf. Its strong points with gardeners are:

**First.** It produces twice as many string beans from the same ground as any bush kind.

**Second.** Grows in clusters. Takes no time at all to gather a bushel. No stooping.

**Third.** Beans can be shelled green for summer market, or left to ripen and sold as "dry beans."

**Fourth.** Specially adapted to growing on Corn, thus economizing space on valuable land, or where poles are scarce.

PRICE—Pkt., 10c.; pint, 35c.; quart, 65c.; postpaid. By Express, (not paid) quart, 45c.; two quarts, 85c.

## New Giant Green Pod Stringless Valentine Bean.

An improvement over the old reliable Round Pod Valentine, being ready for market with a prolific crop of pods fully one week earlier. The pods are one-third larger, averaging five to six inches in length; absolutely stringless, round, and fleshy. It is more prolific and surpasses others in crispness and flavor. Possesses all the merit of the Valentine, with which it was crossed. We advise our customers to plant New Giant Stringless Valentine, as it is one of the best dwarf green pod beans ever offered. PRICE—Postpaid Pkt., 10c.; pint, 35c.; quart, 60c. By Express (not paid) quart, 45c.; two quarts, 80c.



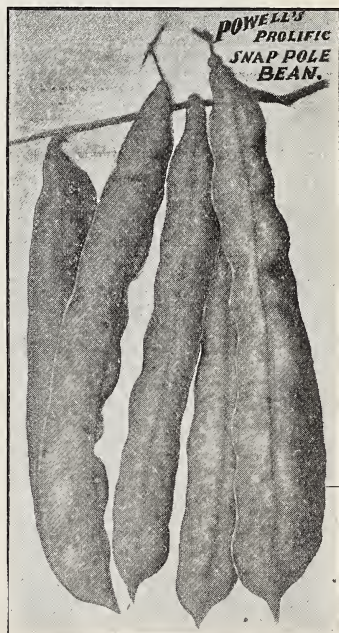


## L **New Round Pod Kidney Wax Bean.**

This is a selection from the famous Wardwell's Kidney Wax Bean. As its name indicates, its pods are round instead of flat. It seems destined to entirely supercede the flat podded Wardwell's. The plant grows strong and sturdy, with long, round, handsome stringless pods of large size, very solid and full of meat, crisp and brittle. It is wonderfully early and productive, and will become very popular. **PRICE**—Postpaid—Pkt., 10c.;  $\frac{1}{2}$  pint, 20c.; pint, 35c.; quart, 60c. By Express, (not paid)  $\frac{1}{2}$  peck, \$1.50; peck, \$2.50.

## L **Powell's Prolific Pole Bean.**

Prof. Powell, of North Carolina, whose name this wonderful new variety bears, says of it: "They are an extraordinary Snap Bean, surpassing anything ever seen in our section—bearing profusely, and continuing until frost; they are very tender and palatable. We have grown this variety for several years and find it a most rampant grower, one plant filling a pole with a mass of vines, densely loaded with luscious beans, fully twice as productive as any other variety in existence. Almost a solid mass of pods from the bottom to top of pole. The handsome green pods average eight or nine beans to the pod, grow very uniform, about six inches long; perfectly stringless, very thick meated, tender, rich and buttery; possess an exquisite flavor when cooked. It continues in bearing so long it might be called "Everbearing." **PRICE**—Postpaid—Pkt., 10c.;  $\frac{1}{2}$  pint, 20c.; pint, 35c.; quart, 65c.



L
 **New Bean for 1901.**

## **Livingston's New Early Dawn Pole Lima.**

For Description and Illustration see page 104.

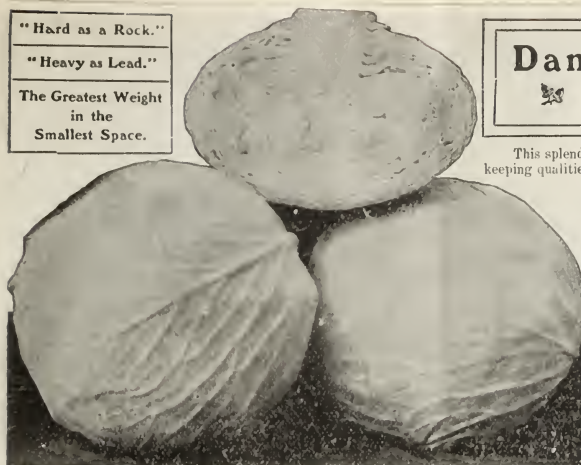
## **Thanksgiving Pumpkin.**

The average size is about the same as that of the Cheese Pumpkin, but the flesh is fully twice as thick. On account of this extra thickness the yield in pounds is double that of other kinds. The flesh is orange in color, fine grained, sweet, and has the delicious pumpkin flavor essential to the making of first-class pumpkin pie. The name, "Thanksgiving," was suggested by the almost universal custom of having pumpkin pie at the Thanksgiving dinner. **PRICE**—Postpaid—Pkt., 5c.; oz., 10c.; 4 ozs., 30c.

"Hard as a Rock."

"Heavy as Lead."

The Greatest Weight  
in the  
Smallest Space.



## Danish Ball-Head Cabbage.

This splendid variety is remarkable for its solidity and grand keeping qualities. Such has been the demand among customers for this fine grained cabbage as to render its importation from Denmark a most profitable enterprise for the vegetable dealer. It was at first thought such solid heads could not be successfully grown in this country, but this has been found entirely untrue when GENTLE DANISH SEED IS USED. The heads, although not quite so large as PREMIUM FLAT DUTCH, are equally as heavy and superb in quality. This extra weight in limited space will be appreciated by those who grow for distant markets and ship in car-load lots. It is a most popular and profitable variety with the American grower. Unfortunately, this variety has been imported and sold under a number of German names, as "Hollander," "German Export," "Solid Emperor," "Dutch Winter," etc. The correct name is "Danish Ball-Head," and to the Dane belongs the credit of sending it out.

PRICE—Genuine Danish Seed—Pkt.,

10c., oz., 25c.; 2 ozs., 40c.;  $\frac{1}{2}$  lb., 75c.; lb., \$2.50.

**TWENTY-FIVE YEARS A CUSTOMER.**  
W. B. Fuller, Irroquois Co., Ill. "I have used your seeds since 1875 and can say I have always been well satisfied."

S. E. Carpenter, Madison Co., Ind. "I have used your seeds 10 years in Indiana; my father, a market gardener at Enterprise, O., used your seeds 10 years before I came here."

## Lettuce; Our New Mammoth Salamander.

the most popular sorts. The New Mammoth Salamander is a great improvement over the old variety, possessing all the desired qualities, but grows double the size. We advise our customers to plant this lettuce as market gardeners tell us that they realize more money from this variety than all others. PRICE—Pkt., 10c.; oz., 25c.;  $\frac{1}{2}$  lb., 70c.; lb., \$2.50.

For many years the Salamander Lettuce, owing to its wonderful quality of withstanding the heat and drought, has been one of

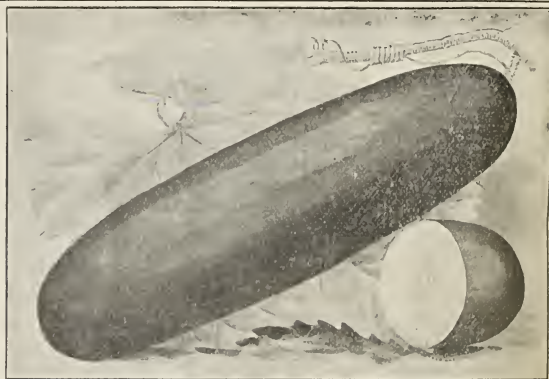
## Livingston's Emerald Cucumber.

(INTRODUCED BY US IN 1897.) In 1888 we began carefully working up this variety, and now feel amply repaid for the labor expended, having succeeded in producing what we started out for—A dark green cucumber that would hold its color. It is strictly an evergreen, retaining its color until quite ripe. On sight, its deep green and splendid skin attracts the attention of everyone. The fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of the most desirable qualities. As a slicer the flesh is peculiarly crisp and tender, and the flavor most pleasing. The young fruit being deep green, straight and slender, makes an excellent pickle; when ripe none exceed it for making sweet pickles.

**For Forcing.**—For those who grow under glass, or for long-distance shipping, it will prove a boon, on account of holding its deep green color so much longer than any other sorts. When grown under glass it is not excelled for beauty in color and form, even by the best English Frame varieties. It is almost entirely free from "warts and spikes," so much so that it may be called spineless. As an all-purpose table or market variety it cannot be surpassed.

PRICE—Large Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., 75c.

C. H. Hammel, Gloucester Co., N. Y. "Emerald cucumber and Honor Bright tomato cannot be beat."



G. C. Fleck, Pa. "Your Emerald cucumber is grand."

W. P. French, N. C. "The Emerald cucumber is the finest I ever saw, and I do not believe any one ever saw any finer."

A. F. Brobston, Ohio. "I have been using your seeds for several years, and they are the best I ever saw."

Charles E. Mapes, N. Y. "I find your New Emerald cucumber to be the first-class, large, smooth, prolific and best flavor of any I ever raised."

W. D. Latshaw, Ind. "Your New Emerald cucumber is the best cucumber I ever raised."

John Morgan, Pa. "The Emerald cucumber that we got last year was all that could be recommended. We had some that measured thirteen inches in length."



## Read the Testimony.

"Have grown onions 15 years; used seed from different sources; now use your seed, although **up in price** it pays, as I get **one-fourth more** onions, and get higher prices."—M. L. B.

"I have raised 300 bushels of onions on one-fourth acre of land; finer onions I never saw, and double the quantity I ever grew on the same ground with other seed."—A. L. M.

"Find your seed A No. 1; grow better crops for me than any other; prefer at \$5.00 a pound to other seeds if given to me."—A. J. D.

"I have used your seed for three years with entire satisfaction; bought several cars of onions last fall, and found those grown from your seed superior to any other."—G. A. M.

"Have grown onions 15 years or more; used seed that gave me good results, but yours have given for four years past the best crops I ever harvested."—L. L.

"From one pound I got 225 bushels **very fine bulbs**, all u e enough to set for seed."—E. M.

"Have raised onions for nearly 15 years; past four years have used your seed getting one-third more from the very first year; fine in shape and quality."—A. M.

"Used your seed two years and grew 600 bushels each year; last season used other seed and got but 400 bushels from same ground. Have known your onions to remain solid for one year. They are the best shaped and give everybody satisfaction."—C. C.

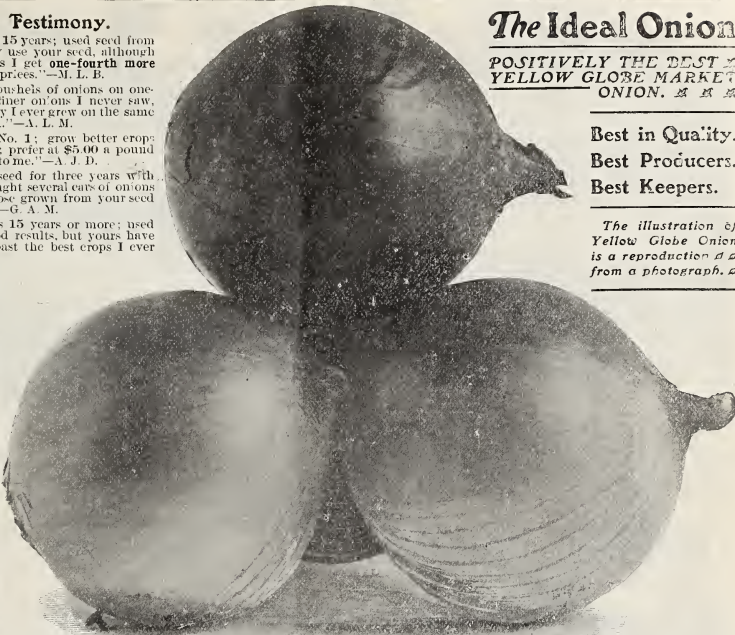
*Very seldom do we have as good a thing to offer as this fine strain of Onion.*

## The Ideal Onion

**POSITIVELY THE BEST YELLOW GLOBE MARKET ONION.**

**Best in Quality.  
Best Producers.  
Best Keepers.**

*The illustration of Yellow Globe Onion is a reproduction from a photograph.*



## Improved Large Yellow Globe Onion. (Underwood Strain)

We have known and watched the development of this onion for several years, and our claim, when introducing it three years ago, that it would fairly leap into general favor with all classes of onion growers has been verified. Mr. Underwood has grown onions for 20 years, having spent the past dozen years bringing this variety to its present high state of perfection.

No onion grower can afford to lose this opportunity of improving his onion crop, although he may have already laid in his planting stock for the season. The seed we offer we grew from selected bulbs, unsurpassed for purity, and shows a high percent of germination. Our price is very reasonable when care with which it is grown, excellence of variety, and high quality of seed is considered.

**PRICE STRICTLY TRUE SEED of Our Own Growth from Hand-Picked Bulbs—Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; 1/2 lb., 40c.; 1 lb., 65c.; 1 lb., \$1.25, postpaid. By Express—5 lbs. for \$5.00. SPECIAL PRICES FOR LARGE QUANTITIES ON APPLICATION.**

**DESCRIPTION.**—It matures early and cures down with very small "necks," and has never produced scullions or "stiff-necks." The Skin is perfect, bright, dark and smooth. The Flesh is very fine grained, firm and solid, insuring extra heavy weight. It is sweet and juicy, grows uniform in size and shape, large (but not over-grown), just the right size and that beautiful dark buff color so much sought after by marketmen and large onion shippers.

When grown in comparison with other good strains it has out-yielded them from one-fourth to one-third of a crop.

## Our Red Globe.

For several years we have been striving to produce the truest strain in the land of Large Red Globe Onions (Southport Type) a variety which is deservedly growing in popularity year by year and is bound to relegate to the rear all other reds. We never had as fine a lot of seed as our 1900 crop. We are in position to make a very low price on very choice seed. See page 40 description and price.



## The Wonderful Lettuce.

**The Largest Heading Lettuce** we have ever seen. It has been grown to weigh six pounds to the head, and frequently weighs two or three pounds. The heart is solid, of pleasing light green color, very tender and crisp, and without the slightest trace of bitterness found in most lettuces. As an example of its "standing" properties, perfect heads were cut from the same bed for upwards of seven weeks. Two FOUNDERS, trimmed close, ready for table use, were common on our market last summer. At the famous CANNY KITCHEN RESTAURANT (in this city) it was pronounced the finest ever seen in the United States, and not half enough could be secured to supply the demand after the customers had once sampled an order. For EXHIBITION PURPOSES and for an OUTDOOR, ALL-SEASONS VARIETY it stands unrivalled.

**Make Sure of the True Wonderful.**—We understand some have been sending out an old variety under the name "Wonderful." The old variety referred to is smaller and otherwise inferior. Our customers say so, and they ought to know, after four years' trial. A few extracts from what they say: "I can only get 45 heads in a large sugar barrel." "Looks like early summer cabbage heads." "Blanches crisp and is delicious." "Would eat 'Wonderful' daily if I could get it." "Ahead of all for a summer sort."

Our stock is from HEADQUARTERS and there is no better. Nothing like "TRUE BLUE" SEED if you want results. Pkt., 10c.; oz., 20c.; 4 ozs., 50c.; 1 lb., \$1.40.

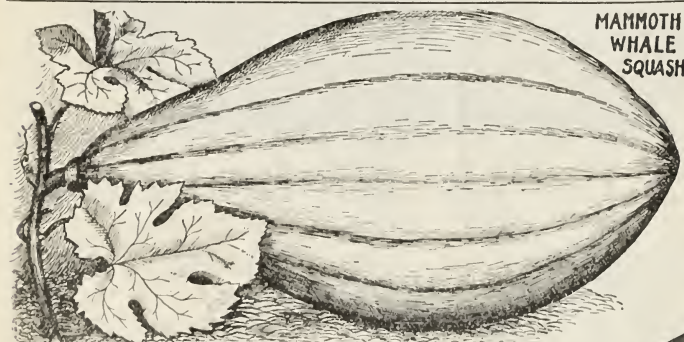


## New Zimpfer Parsnip.

strain of seed for many years for his own use only, always selecting the most perfect roots, in all points, for this purpose, until it is the purest stock and grows the handsomest Parsnip we have ever tested. It is a splendid variety for market, especially where the roots are sold in bunches, being of much more desirable shape than any of the Hollow Crown or Cup varieties. It is sweet, smooth, very white, and cannot fail to please any market.

PRICE—Postpaid—Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; 1 lb., 40c.; 1b., \$1.20.

The original seed of this variety, like that of very many other good things now commonly cultivated, was brought here by German gardeners from the Fatherland. Mr. Zimpfer, a market gardener, has grown this select



**MAMMOTH  
WHALE  
SQUASH**

## New & Exquisite Parsley.

The best and handsomest Parsley that has ever come under our notice. It is dwarf in growth, beautifully and closely curled; its attractive, darkgreen color is all that could be desired.

Packet, 5c.; oz., 15c.; 1 lb., 50c.; 1b., \$1.75.

## Mammoth Whale Squash.

A new French Squash which often grow three feet long, and sometimes weigh 100 pounds or over. The illustration shows quite well its odd shape; the vines are robust; the flesh solid and of a beautiful orange color; quality good, also keeps well. Pkt., 10c.; 2 pkts., 15c.; oz., 25c.; 4 ozs., 75c.

## New "Heart O' Gold" Squash.

Strong, healthy grower, beautiful yielder. A very distinct sort which has been carefully and thoroughly tested. The vines are strong, vigorous, healthy and very prolific. The color of the fruit is a rich, reddish orange, and the shape is not only attractive, but economical in cutting, there being little or no waste. The seed cavity is very small. The flesh is very deep and of excellent quality. We advise all our patrons to give it a trial. Pkt., 10c.; oz., 40c.

## New Golden Bronze Squash.

This new Squash is thought to be a good one, coming, as it does, from the introduction of the now deservedly world-wide famous Hubbard. It is a cross of the Key State and Boston Marrow. In form the same, also has that peculiar wrinkled appearance of the skin of the Boston Marrow. Size averaging 8 to 10 pounds; color a dark grayish green; flesh exceedingly bright golden yellow, fine-grained, very sweet, and of delicious flavor. Early in maturing, good keeper, of very uniform size and appearance. For table use and for this Squash has no superior. Specimens grown in 1897 were kept until June, 1898. Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; 1 lb., 40c.; 1b., \$1.50.



New Golden Bronze Squash.

**One Packet Each of the above THREE GOOD SQUASHES Only 20 Cents.**



# Livingston's "Tip Top" Melon.

The Best of All. & Every One a Good One.

Introduced by us in 1892.

This grand melon has "held its own" with all new comers for the past ten years, and no other melon of which we have any knowledge compares with it in uniform good eating qualities and should be planted by all classes of melon growers, large or small. **IT ALWAYS PLEASES.** The testimony of all who use Tip Top is that every melon produced, whether big or little, early or late, is a good one: sweet, juicy, finest flavor, firm (but not hard) fleshed, and eatable to the outside coating. Its appearance on the market is very attractive—sells on sight. Gardeners tell us that their customers soon learn to pick them out, and will have no other kind. The fruit is of large size, nearly round, evenly ribbed and moderately netted. It is also, perhaps, the most productive me'on known. One customer reports 72 large, magnificent melons from two hills. By care and close attention for the past nine seasons we have greatly improved and increased the attractive appearance of this variety by selecting for seed stock the best specimens, and especially those showing the greatest amount of netting. Price, Selected Seed from typical "Tip Tops"—Pkt, 10c; oz., 15c; 2 ozs., 25c; 4 ozs., 35c; ½ lb., 50c; lb., 90c., postpaid.

## Tip Top

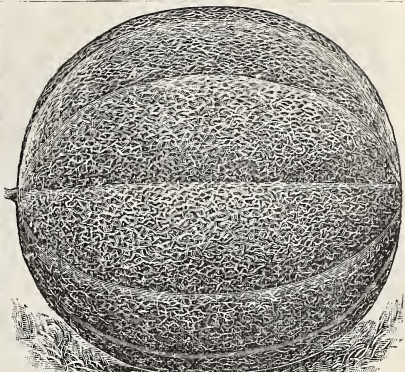
In  
Quality  
In  
Appearance  
In  
Productiveness

Edgar A. Ross, Ga.—"I planted last year a small patch of Tip Top, and found them all you claim for them. It is the best melon I ever saw. Every one was first class, and it is the only variety of which this can be said."

Wm. M. Camby, Md.—"I have raised the Tip Top for two years and consider it the best of all. I procured the seed from you two years ago."

Wm. Brozey, Ohio.—"Your Tip Top Nutmegs are the best melons I ever raised. They outrank all the others, and everyone that I sold to liked them better than any melon they ever bought."

John S. Lester, Conn.—"Tip Top Melon cannot be beaten. I have this market entirely to myself."



George C. Short, Ohio.—"Tip Top stood the test as to quality better than any of the other kinds this excessively wet season."

H. F. Farris, Tenn.—"I have been buying Tip Top seed for three or four years, and will have no other if I can help it."

M. C. Lewis, Tenn.—"I think Tip Top the best melon there is. I planted your Early Hackensack and Tip Top this year, which makes a very good combination for early and late melons. I have never been better pleased with kind and quality."

Harry Hill, Ill.—"Last season I planted Tip Top Melon and made more money per square rod than I ever made before on melons, and I have been raising melons for market for 15 years. My customers say that they are the best melons they ever saw."

L. S. Birney, Ohio.—"I gave your Tip Top Muskmelon a fair test last season by the side of two other kinds and they were so far ahead of any kind I ever used that I want no other. Everybody that tasted them remarked what fine melons we had."

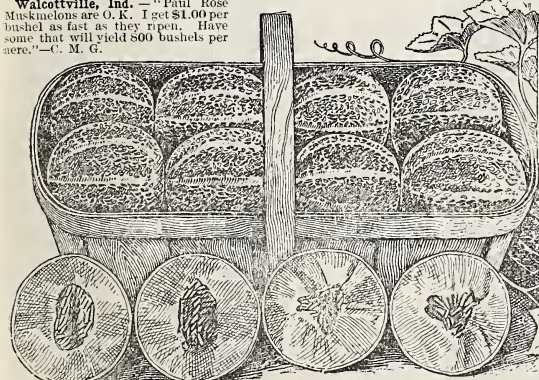
J. T. Johnson, Tenn.—"Tip Top Cantaloupe can't be beat."

## Muskmelon, "The Strawberry."

praise, claiming it surpassed all others in point of excellence, with a flavor like that of a strawberry, hence the name. A desirable market size, 6 to 8 pounds. Its outside appearance compares favorably with the green nutmeg of old, turning to a yellowish hue when ripe. Its smooth deep flesh is of an attractive red color. Pkt., 5c; oz., 15c; 4 ozs., 50c.

Walcottville, Ind. — "Paul Rose Muskmelons are O. K. I get \$1.00 per bushel as fast as they ripen. Have some that will yield 500 bushels per acre."—C. M. G.

MR. BECK, a specialist in the production of new melons, describes it as follows: "Its first appearance caused a great furore in our market. People were loud in its praise."



## Paul Rose PETOSKEY Muskmelon

A decidedly new and meritorious variety that is bound to please all classes of melon producers. In the PAUL ROSE we

are offering one of the best Muskmelons introduced for years. It is a successful cross of the Osage with the Netted Gem, and combines the sweetness of the former with the fine netting of the gem. It is a large sized "Rose Gem" but with deep orange flesh. A great producer of extra fine quality melons, and the illustration here shown speaks for itself. As early as the Gems and equally as good a shipper. Our stock seed is saved from choice selected melons by Mr. Paul Rose, the originator, who is a very extensive melon grower of Northern Michigan, where the climate seems peculiarly conducive to the high quality of the melons. Price of True Stock Paul Rose—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c., postpaid.

Extra  
Fine.

## Livingston's Prolific Giant Podded Sugar Pea.

(INTRODUCED BY US IN 1897.) This grand new introduction will be of especial interest to all lovers of Edible Podded Peas. Excels all others in size, productiveness and quality. To even those who know how delicious and wholesome are Sugar Peas cooked pods and all, a dish of these giant pods, sweet, sugary and melting, will be a delightful surprise. The vines average about 36 inches in height, remain a long time in bearing, and when grown without brush or trellis are strong and rank. The pods are gigantic in size, broad, sweet and tender, extremely fleshy, and equal to the best snap beans for cooking pods and all. Dry peas, when ripe, are extra large and wrinkled. It is a decided improvement over the "Michigan Sugar" Pea, being equally as early, much more productive and superior in quality. **PRICE**—Postpaid—Pkt., 10c.; pint, 30c.; quart, 55c. By Express, (not paid)—Quart, 30c.; 2 quarts, 55c.; 4 quarts, \$1.00; peck, \$1.75; bus., \$6.50.

### In the Michigan Experiment Station Report

WE FIND THE FOLLOWING:  
"Giant Podded Prolific Sugar Pea sent out by Livingston is an exceedingly strong grower and very productive. The pods are long, broad, irregular in shape, and filled with peas of high quality. The blossoms are of a pink color and make it quite attractive. It promises to be of value as a late variety."

## Prosperity, or Gradus Pea

Is a long step in the pea world toward prosperity as it combines earliness with large size in a green wrinkled pea. This is what the Market Gardener wants. "They fill the bushel basket." In earliness they follow closely after the first varieties. In height they are 2½ to 3 feet. The vine is robust and the foliage very vigorous, bearing their handsome, large pods profusely over the vine. The pods are neatly round, long and straight, well filled with luscious sweet peas of the finest quality. In our Trial Grounds the past season we marked these as an exceedingly profitable variety for market men to grow. **PRICE**—Postpaid—Pkt., 10c.; pint, 30c.; qt., 50c. By Express—(not paid)—Qt., 40c.; 2 qts., 75c.; 4 qts., \$1.00; peck, \$1.75; bus., \$9.00.

## Carter's "Daisy" Pea.

A New Second-Early Dwarf Pea with Immense Pods and Peas.

A magnificent new Pea. Vines are from 16 to 18 inches high. The self supporting, stout plants are fairly loaded with large, bright green pods, which are always well filled. Each pod contains 7 to 9 large peas, of a bright green color, tender and well-flavored. The even growth and handsome appearance of the Daisy excites the admiration of all. Of all the numerous crops and many pen trials examined the past season, the Daisy pleased and attracted us most, and we are sure that all who have tried ground new pea in the garden this season will unite in praising it.

**PRICE**—Postpaid—Pkt., 10c.; pint, 25c.; qt., 50c. By Express—(not paid)—Qt., 30c.; 2 qts., 55c.; 4 qts., \$1.00; pk., \$1.75; bu. \$6.50.



## New Main Crop Pea

## Sharp's Monarch.

This new Pea comes to us from England, where most of our best Market varieties have originated. The originator praised it so highly last spring that we purchased some stock seed at a very high price and grew a limited crop of seed which we now offer to our customers. It is described as follows by the introducer: "This New Pea is of the Telephone type, has a strong hauled and short joints, is much more prolific than Telephone and less liable to sport. The Monarch is a heavy cropper, and the large, long, well-filled pods are very heavy—four of them gathered without much selection weighing four ounces. It will be a great acquisition for market gardeners, and promises to become exceedingly popular."

We think so well of it that we have set aside most of our last season's crop for our own planting for we are sure a great rush will be made for the Monarch after gardeners once test its value. We can therefore offer it in a small lot only.

Large Size Packets, 20c.; 3 for 50c.; 7 for \$1.00.

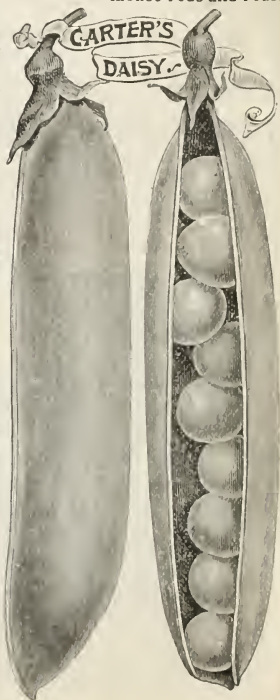
One Packet Each of the **FOUR CHOICE PEAS** on this page for 30 Cents.

## A New Pepper. Chinese Giant.

This new Pepper is without doubt a great improvement upon the famous Ruby King, although to many that will seem impossible. Our crop last season was a revelation to pepper growers. The fruit averages about 4 inches long by 3½ inches broad and is of the deepest shade of scarlet in color. The flesh is thick and entirely free from any fiery flavor. The plant is erect, strong and bushy. It has the peculiar habit of setting 3 or 4 fruits early near the base and while these ripen a second crop is produced higher up. Below is a quotation from a letter received from a customer who paid \$1.00 for 150 seeds last spring:

"I am a Market Gardener of many years experience; have always raised and sold more mango peppers than any one else in my locality, and I say to you that I would rather pay the price I did last spring for the Chinese Giant than to have the best Ruby King given to me. The Chinese Giant is as much the superior of Ruby King as a White Pippin apple is superior to a wild crab apple. In size, in shape, in weight, in flavor and in productiveness, there is simply no comparison. When once introduced the Chinese Giant will be the only mango grown."

**PRICE**—Postpaid—Pkt., 15c.; two pkts., 25c.







## NEW CINCINNATI MARKET RADISH.

THE BEST EARLY LONG RADISH TO DATE.

This superb radish was produced in the vicinity of Cincinnati, Ohio, by the "Glass Gardeners" there, and has been used by them for more than 30 years. We introduced this Radish to our trade in the spring of 1895, and it at once became so decidedly popular that we have had to grow it ever since by the thousands of pounds to supply the demand. It is seldom that even a good thing leaps with one bound into general favor, as has been the case with Cincinnati Market. The tops are so very small that the radishes may stand touching each other in the rows. One grower says that he never thinks this variety like he would other kinds, which quickly "run to seed" if left standing too thickly. They grow straight and smooth, 6 to 7 inches in length. Their attractive scarlet colored skin is very thin, the flesh crisp, brittle and of delightfully pungent flavor. The finest long red in existence for forcing, and outsells all others in any market to which it goes. Being long standing it is also an extra fine sort for the home garden. **OUR OWN GROWTH SEED AND STRICTLY RELIABLE. Post-paid—Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; 1 lb., 80c.; 3 lbs., \$2.00.**

**SUTTON BROS., COMMISSION HOUSE.**—"I have known the Cincinnati Market Radish for over 30 years. No variety holds its freshness longer, meets with reader sale or gives better satisfaction. We sold it for years in Cincinnati, before coming to Columbus 18 years ago."

L. K. SUTTON.

A Large Cuyahoga County Grower, writes: "I bought 45 lbs. of your Radish seed last spring (1899) from which I sold 5,352 doz. bunches (60 to a bunch), or 321,120 radishes, netting \$475.25. "True Blue" seed are good enough for me."

## The Snowball Radish.

One of the quickest growing, besides one of the prettiest ever put on a gardener's bench. White in snow and smooth as glass. Few short tops. **Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; 1 lb., 80c.**

## New Leafless Radish.

Extra early; remarkable for the small size of its leaves; the roots grow so quickly that they are practically in advance of the leaves, and for that reason it is called "Leafless." Its peculiar, crumpled leaves "are few and far between." A beautiful bright color, and the crisp, tender flesh is excellent. **Pkt., 5c.; 1/2 oz., 15c.; oz., 25c.**

## New Winter Radish.

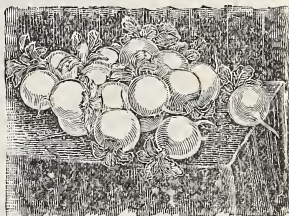
**SCARLET BALL (PAMIR.)**

A very welcome Winter Radish; also a good Late Summer variety. Its handsome globular shape, with its beautiful deep scarlet color, gives it a very ornamental appearance. Flesh white, firm and of agreeable flavor. The roots can be kept a long time during winter without starting into growth. **Pkt., 5c.; oz., 20c.; 1 lb., 75c.**

## White Milan Turnip.

One of the earliest Turnips grown; deep in shape, slightly flattened at top and base of bulb. The entire bulb, inside and out, is clear ivory-white in color; outer surface perfectly smooth. It grows so quickly that even the outer surface of the bulb is tender. Table qualities unequalled. **Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; 1 lb., 75c.**

Extra Early White Milan Turnip.



The Snowball Radish.



New Leafless Radish.



Scarlet Ball (Pamir) Radish.

# \$1.00

## Big Dollar Collection.

BY MAIL, POSTPAID. Positively no Changes can be Allowed. Made up of our Regular Sized Packets, and NOT put up EXPRESSLY SMALL for the occasion.

- 1 Beans—Royal Corn. Best Pole Bean in the world.
- 2 Beans—Dwarf, Rustless Wax. Yellow pods, very early
- 3 Beet—Crosby's Egyptian. Very early and very good.
- 4 Beet—Edmand's Blood Turnip. Best general use.
- 5 Cabbage—Early Spring. One of the best for early use.
- 6 Cabbage—Livingston's Ideal. Best winter variety.
- 7 Celery—Giant Pascal. Very crisp, high flavor.
- 8 Celery—White Pique. Well known "Self-Blanching."
- 9 Corn—Country Gentleman. Best late; an evergreen.
- 10 Corn—Livingston's Evergreen. Sweetest of all.
- 11 Cucumber—Livingston's Evergreen. Best pickle.
- 12 Cucumber—Our New Emerald. Beautiful. Large.
- 13 Lettuce—Butterhead. Splendid early, with crisp head.
- 14 Lettuce—Defiance. Best of all Summer Lettuces.
- 15 Watermelon—Sweet Heart. Quality can't be beat.
- 16 Muskmelon—Rose Gem. Our new choice green flesh.

## FREE

With each order for the **BIG DOLLAR COLLECTION** we will add one packet of either **LIVINGSTON'S FANCY PANSIES, Superb Asters** or an ounce of **OUR MIXTURE SWEET PEAS**

- 17 Muskmelon—Livingston's Tip Top. A No. 1 quality.
- 18 Onion—Underwood's Yellow Globe. Best general crop
- 19 Onion—White Globe. Best white. Good keeper.
- 20 Pepper—Ruby King. Large, sweet and prolific.
- 21 Parsnip—Zimpher White. Extra good "sugar" Parsnip.
- 22 Pumpkin—Sweet, or Pie. Best for table use and stock
- 23 Peas—Livingston's First-in-Market. A grand early
- 24 Peas—New Carter's Daisy. Immense pods. Excellent
- 25 Tomato—Cincinnati Market. Great favorite for early.
- 26 Radish—New Chariots. Best early or late large sort.
- 27 Radish—Livingston's Surprise Mixture of many kinds
- 28 Squash—Large Golden. The Best Summer Scallop.
- 29 Squash—Warty Hubbard. Fine for pies or baking.
- 30 Tomato—Livingston's Stone. No better. Red.
- 31 Tomato—Livingston's Beauty. No better Purple.
- 32 Turnip—Purple Top White Globe. One of the best.

WE START THE  
20th CENTURY WITH

# SIX BRAND NEW TOMATOES

"SMOOTH AS APPLES."

ALL HYBRIDS OF LIVINGSTON'S FAMOUS HONOR BRIGHT.

All who have grown Livingston's Honor Bright know what a marked difference there is in the fruit and foliage of it to all other tomatoes. This valuable and interesting series of new hybrids is the result of successfully crossing Honor Bright on several of our other well known and standard varieties. While they partake in greater or less degree of the peculiarities of the Honor Bright, they all differ from one another in plant or leaf growth, size or color of fruit. Worthy of trial and bound to become standard varieties.

## Dwarf Potato Leaf Honor Bright. (Red Fruit.)

The plant of this variety is of an unusual curly and stocky nature, the large blistered leaves give it an unique character.

The plant, when small, resembles the potato very much; the fruit is good size, coloring and ripening much the same as the famous Honor Bright.

## Dwarf Potato Leaf Honor Bright. (Purple Fruit.)

Same as the above except in color of fruit.

The illustration below is a plant of DWARF POTATO LEAF HONOR BRIGHT taken early to show its peculiar foliage, but before it began fruiting much.



FRUIT OF PURPLE FRUITED HONOR BRIGHT.

## Potato Leaf Honor Bright.

Two varieties, RED and PURPLE.

Similar to the original "Potato Leaf" introduced by us in 1883, but with Honor Bright features, exceedingly smooth and productive.

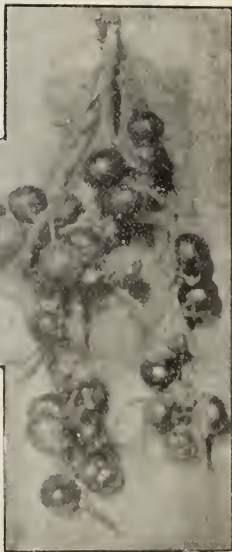
## A GIFT

To all persons ordering two or more packets of tomatoes ordered on this page we will send (if requested) FREE a packet of a New Tomato we call for the present LIVINGSTON'S GIFT, a large, smooth crimson seedling variety. We have had it for 5 years, but because it has shown about 5 percent purple fruit we never sent it out. It is a variety of real merit. We do not sell it—We give it as above, FREE.

## \$60 for Names

We want six good names for these six excellent tomatoes. We will pay \$10 each for names picked. All persons who purchase a packet or more of the seed this season may suggest one or more names for each variety they may order. When the names are adopted we will remit our check for \$10. Should more than one person send in a name adopted we will divide the \$10 equally.

Full details will accompany each order.



## Purple Fruited Honor Bright.

This variety will be accepted as a decided favorite with growers and shippers who prefer purple or rose colored fruit to the scarlet or red. Ever since the introduction of Honor Bright we have had a great demand for a Purple Fruited Honor Bright. This one will fully meet the demand, as

IT IS A DECIDED GOOD ONE.

Description.—The fruit of this variety is fully equal to the Beauty, being much the same in color and size; is very solid and free from seeds. The vines are very vigorous and productive, and in all respects equals the best tomatoes. In addition, it has the wonderful keeping qualities of the Honor Bright. The fruit colors up without the least signs of green at the stem end.

## Dwarf Aristocrat Honor Bright.

See cut below of Plant with foliage removed.

A wonderfully productive tomato of medium size; fruit bright red, very solid and fine flavor. Has all the new and marked qualities of the Honor Bright, and is from two to three weeks earlier, being among the earliest of our best tomatoes. The color of the fruit when ripening is different from any other tomato, save Honor Bright, which changes from green to white, then yellow to red.

**Price.** Our customary price for New Tomatoes has been 20c. and 25c. a packet the first year, but we have decided to break our usual custom and offer the following liberal reduction in price, not because these are not equally meritorious to our former introductions, but we wish to induce many to try the set of six, to get many names to select from and quickly disseminate them the world over. Single Packet, 15c.; any 2 for 25c.; 4 for 40c.; 6 for 50c., postpaid.



# Honor Bright

**Livingston's  
New Tomato.**

**Differs from Every Other Type of Tomato**

**The Long Distance Shipper.**

**One of our  
Best Intro-  
ductions.**

## A New Bright Red Variety.

This peculiar and distinct variety first appeared in the form of a single "sport" plant in a field of Livingston's Stone Tomato in 1894. The **Distinctive Features of the New Honor Bright Tomato** are its **solidity, long-keeping qualities after being picked,** and the **remarkable changes of color** the fruit undergoes during growth and ripening. These changes provide an easily learned guide to the proper time of picking for long-distance shipping. **The color of the fruit, when fully ripe, is a rich bright red,** but before reaching this stage it undergoes several interesting changes. First it is **light green,** then an **attractive waxy white,** then **lemon,** changing to a **rich red.** One of the most attractive and handsome varieties grown, and well adapted for home use or

**Michigan Agricultural College Experiment Station.** "LIVINGSTON'S HONOR BRIGHT. Plants of strong, healthy growth; leaflets small, light yellowish-green; leaf stalks and stem, yellow. Distinct in plant appearance. Fruits medium size; round, flattened regular form. Color light green, then white, changing to yellow, finally becoming a rich red when fully ripe. The flesh is very solid, of high quality and firm and would be excellent for shipping."

**T. Greiner, New York.** "Fruit large and sets freely in big clusters. I believe we have at this day no tomato that gives us as much good fruit to the vine as the Honor Bright."

**C. M. Grossman, Wilcottville, Ind.** "When you see a good thing push it along," so I enclose you clipping from *Farm and Fireside*, in regard to Honor Bright Tomato, and also refer you to *Rural New Yorker*, of Oct. 8th, page 600, copy of which you perhaps have. In the *Rural New Yorker* this tomato receives such praise as is accorded to but few in that rather conservative paper. I, myself, shipped two bushel crates to a friend over 300 miles by *LOCAL FREIGHT*, and they reached destination in perfect condition. They cannot be equalled for shipping."

**Introduced by us in 1897.** market, and, on account of its solidity and long-keeping qualities, it is especially recommended for shipping long distances. It can be shipped in barrels, like apples, if picked in the early stages of ripening, and will keep from one to four weeks if stored in a cool place. The clusters bear three to five large perfect fruits, beautiful as the Stone, and ripen evenly from the blossom end to the stem. Its **table qualities** are superb, the flesh, when ripe, being tender and melting, not hard as one might conclude from the solidity of the uncut fruit. Those who grow it will find it a valuable acquisition, and be surprised at its distinctiveness from all other known sorts. **Price of Seed from Selected Fruits—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; 4 ozs., 80c.; lb., \$3.00.**

**John E. Arndt, Baltimore Co., Md.** "Honor Bright Tomatoes are the finest I have ever grown. They are solid, of good size and do not burst like other tomatoes do. They bear full and keep their size better than any I ever grew. can be kept at least a week when fully ripe, and if put in a cool place could be kept two or three times as long."

**Mrs. Alfred Thomas, Kalamazoo Co., Mich.** "I wish to express my great satisfaction with Honor Bright Tomato. In the 25 years of my experience raising tomatoes I have not met its peer for equal size, solidity, fine flavor and productiveness. The color sells it at sight."

# Enormous Tomato.

A NEW LARGE RED LATE VARIETY.

First appeared about six years ago in the form of a "sport" plant in one of our crops of Livingston's Stone. The size is large to very large; smooth, but is quite apt to crack more or less about the stem end; few seeds, and of fair quality when well grown on good, rich soil. We have given it a fair trial on various soils in different localities the past three seasons. It has large size to recommend it when well grown under favorable conditions, but is probably no larger under ordinary culture than our Buckeye State or the Ponderosa; specimens of Buckeye State "7 to the yard" are not unusual. We recommend it as worthy of trial, especially by those who like something big. **True Stock—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; 4 ozs., 80c.; lb., \$2.90.**

## A New Red Tomato; "Success."

This variety originated a few years ago in the hands of a grower a short distance from this city, and was first sent out last season, 1900. We have observed the fruit on sale in our markets and watched its development from the start. To those familiar with Livingston's Stone it is easily described, because it resembles that variety very much in all points, except size, and it might be styled a "smaller sized Stone." We pronounce it a **good red**, and it should be given a trial by all who favor a tomato of that type. **Choice Seed, pkt., 10c.; 3 for 25c.**

## New "Quarter Century" Tomato.

A new dwarf red claimed to have better color, size, productiveness and quality than Livingston's Dwarf Aristocrat. A good red fruited tomato, but not a single claim as above was substantiated in our test the past season, 1900. However, they might show up better where conditions, treatment and soil were different. **Beware of High Priced Seed. Ours are O. K. Pkt., 12c.; 3 for 25c.**

We wish persons who order of us the "Quarter Century" to try Aristocrat side by side, and to such we will send free, on request, a few seeds for that purpose. Report of results from different parts of the country should enable us to determine which is the superior variety.



## Japanese Barnyard Millet.

*Panicum Crus Galli.*

A new Millet from Japan, introduced into this country by Prof. Brooks of the Massachusetts Agricultural College. It is one of the best ever sent out, especially for green fodder. Cattle and horses eat it readily when chopped, crushed, moistened and sprinkled with meal. The seed is considered by those who have grown it to be equal in value to corn meal for milk production. It also makes excellent poultry food. The leaves are larger than either "Hungarian" or "German" and the crop much heavier. We consider this millet the greatest food producer that has been offered for many years. It grows easily 6 to 8 feet high. Our illustration gives a good idea as to its growth. When sown thickly for fodder cows prefer it to sweet corn fodder. When fed on it an increase of milk is noticeable at once. It has yielded over 20 tons per acre and succeeds best in a moderately moist soil. It may be sown from May 15th to July 1st. Excellent either green or cured as hay. By Mail—Postpaid—Lb., 30c.; 3 lbs., 75c. By Express not paid Lb., 20c.; 6 lbs., \$1.00; 25 lbs., \$3.50. Twenty-five pounds will sow an acre.



## Ornamental Pomegranate.

"Queen Ann's Pocket Melon."

Grows on a pretty vine; its handsome fruit is a lemon-yellow, striped with dark orange, varying from the size of a small peach to that of an orange. Very fragrant, sweetly perfuming a room with the pleasant odor for days. Very prolific and easily grown.

Packet, 5c.; 6 packets for 25c.



## Japanese Fern Ball.

This wonderful novelty we take pleasure in introducing as one of the most satisfactory house ferns ever offered. We had them grown the last two summers out doors until late in the fall without a failed frond. We immersed them two or three times a week in water. Its beautiful leaves and color attracted the attention of everyone throughout the entire season. The center is moss, covered with fern roots in an ingenious manner, looking like a ball of small roots twisted together. After watering they start into life and in a short time are covered with a mass of beautiful green foliage. If desired they may be allowed to dry up, which is very convenient sometimes, and started again by simply watering. All they need while growing is watering two or three times a week. Many prefer them to hanging baskets. The fern leaves are beautiful and very lasting, and do not fade for several weeks. Balls, 6 to 8 inches in diameter, ready to hang up, each, 75c.; 2 for \$1.25, postpaid.

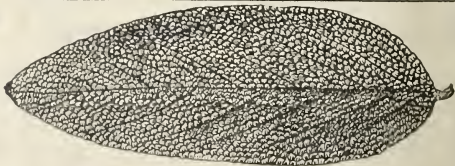


Livingston's Extra Fine Mixture of Ornamental Gourds.

## Our Mixture of Many Kinds of Ornamental Gourds.

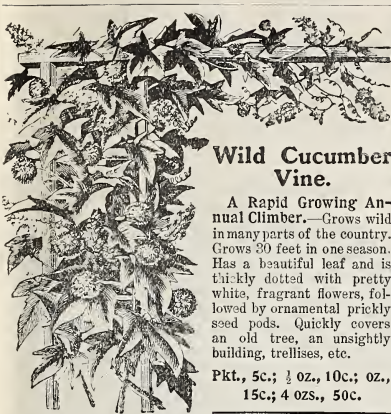
Very curiously formed and marked; on pretty vines of very rapid growth; a very desirable climber for covering arbors, etc. 10 to 15 ft. Pkt., 5c.; oz., 40c.

ANGORA—A fine round, white-spotted fruit; a very rapid growing climber. Pkt., 5c.; oz., 40c.



**Holt's Mammoth Sage.** This large-leaved variety has been tested for years, and is superior to the old variety. Yields more leaves to the plant than a dozen of the common Sage. Plants strong, grow a foot high and spread 2 to 3 feet the first season. Leaves borne well on the ground, are clean, strong in flavor, and of superlative quality. Perfectly hardy, even in extreme Northern States. *Price.* Plants, 10c.; 3 for 25c.; 7 for 50c.; 15 for \$1.00; postpaid. We grow a large crop and will make prices on application for larger lots.

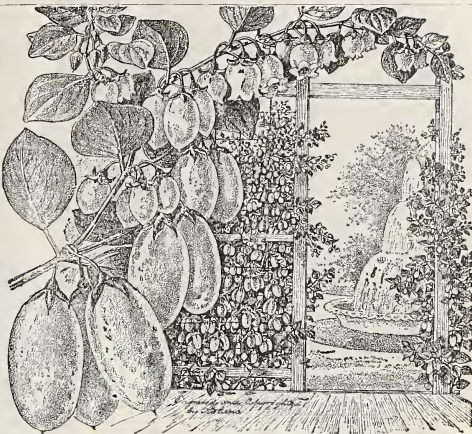




## Wild Cucumber Vine.

A Rapid Growing Annual Climber.—Grows wild in many parts of the country. Grows 30 feet in one season. Has a beautiful leaf and is thickly dotted with pretty white, fragrant flowers, followed by ornamental prickly seed pods. Quickly covers an old tree, an unsightly building, trellises, etc.

Pkt., 5c.; ½ oz., 10c.; oz., 15c.; 4 ozs., 50c.



Pampas Lily of the Valley or Climbing Gooseberry.

## The Pampas Lily of the Valley.

*Laepichroma Rhomboideum.*

Useful as well as Ornamental. Tastes like Nectarines and Pine-apple.

Mr. Pailheux in his work on useful plants, says: "The fruit is very good: In Buenos Ayres the children regale themselves with it. By adding sugar fine confections are made of it, which I ate with enjoyment. It is exceedingly hardy and productive. Planted in a southern exposure it will be covered with thousands of flowers followed by Ivory-White Fruits the size of swallows' eggs. Once planted it will increase in vigor each year. Mr. F. W. Burbridge says in *Gardeners' Chronicle*: "To me they taste like a combination of Nectarine and Pineapple, with a dash of melon thrown in." The Review Horticulte says: "The plant is precious, owing to its great growth under most trying conditions. That the stems die to the ground in winter is a great advantage, for many reasons. The roots come up stronger every year."

We have not yet grown this vine, but it comes to us so highly recommended we do not hesitate to offer it. Plants, 20c. each; 3 for 50c.; doz., \$1.50, postpaid.

## The Famous Chinese Kudzu Vine, Or "Jack-and-the-Bean-Stalk-Vine."

The phenomenal growth of this new Chinese hardy vine can hardly be imagined. Plant in any soil, rich or poor, and in three months when well established it will make more growth than most other vines will in two years.

The large bold leaves of the brightest green afford a dense shade. The clusters of purple Vistaria like flowers six to seven inches long are deliciously fragrant; but its great feature is its wonderfully strong growth (about 12 inches in a day) which makes it invaluable for rapidly covering arbors, fences, dead or old trees, rockeries, etc., and it has been recommended repeatedly by *Garden and Forest*, *American Garden*, *Merchants Monthly*, and also by other eminent authorities.

It is a native of China, where it is grown not only for the beauty of the plant and the flowers, but also for the commercial value of its roots used as a delicate food. The young branches furnish material for making fine cloth, hammocks, mattresses and fancy work. The vine is perfectly hardy, grows to a height of 50 to 75 feet and is well filled with dense foliage from the ground up. It can be cut back in the fall without injury, if desired, thereby preserving trellises or porches upon which it is grown and the annoyance of falling leaves.

We have a fine lot of pot-grown plants, easy to mail. PRICE OF SEED—Pkt., 10c.; 3 for 25c. PRICE OF PLANTS—20c. each; 3 for 50c.; dozen, \$1.50, postpaid.

## New Nasturtiums. Climbing Varieties.

EVERY ONE A DECIDED BEAUTY.

The first three are Lobbs' varieties; they are superior in brilliancy and profusion of bloom: grow 6 to 8 feet high.

LOBB'S "FIREFLY"—Splendid and distinct variety with large flowers of dark orange, spotted and flamed blood-red; spur also blood-red; foliage and stems dark. Pkt., 10c.; ½ oz., 15c.; oz., 25c.

LOBB'S "MARGUERITE"—Flowers large, pale yellow, spotted and flamed blood-red. Foliage and stems dark. Very effective. Pkt., 10c.; ½ oz., 15c.; oz., 25c.

LOBB'S "PRIMROSE"—Creamy white with brown spots; large flowers, charming variety. Pkt., 10c.; ½ oz., 15c.; oz., 25c.

"YESUVIUS"—By far the most brilliant of all the tall growing Nasturtiums. Flowers very large, perfectly round, the petals overlapping each other, while the color is the most gorgeous fiery rose imaginable. Pkt., 5c.; oz., 20c.; 4 ozs., 60c.

Four Packets (one each) Nasturtiums, 25 cts. One Ounce each, 75 cts.



The Kudzu Vine Climbing Over Porches and Balconies.



## Buddleia Variabilis.

"Glory of the Butterfly."

A grand new plant, the seed of which was sent from China in 1863. It is a hardy shrub, growing 5 to 6 feet high, which, if cut down early in the season, will grow less than 3 feet and bloom even more profusely. Its graceful arching branches are covered with a woody bloom. The bright green leaves are velvety white underneath, the contrast of white and green being very effective. Ravines of flowers, frequently one foot long, are borne in such quantities as to cover the entire bush. The coloring of flowers on seedling plants are variable. The predominant shade is rose-lilac and deep violet with orange tint in center. Exquisite shades of rose and violet-blue have also been obtained, and pure white is not only looked for. Blooms from seed in 3 months. So fragrant is the flowers that it can be noticed hundreds of feet away, and so are the flowers that it "docks" of butterflies hover perpetually about it. It is indeed "the glory of the Butterflies." It must undoubtedly be a valuable "bee plant," as it blooms from May to November, and during all this time a single plant will furnish an abundance of blooms for cutting, retaining their fragrance for many days. The plant is extremely hardy. It has been suggested as a good subject for forcing, and also to be grown as a standard. As a test plant it is really effective and desirable. Being recommended by Mr. L. de Vilmorin, whose endorsement is never bought of, we are sure that our introduction will be welcomed.

**SINGLE PLANTS, by mail, each, 25c.; 3 for 60c.; 6 for \$1.00.**  
**SEED Packet, 10c.** Blooms from seed in three months.



Salvia Splendens, "Silverspot."

## Three Fine New Asters.

One Packet each of the Three Asters only 20 cents.

**Daybreak.** The "Daybreak Aster" introduced two ears ago, is one of the most beautiful of the Aster family. The plants in bloom are charming. Flowers are round and bell very large and very early. Color a beautiful sea shell pink, resembling the Daybreak Carnation. Branching in habit, with long stems. For florists' use it is unsurpassed, as it commands the highest price in the market. Pkt. 10c.

**Purity.** Identical with "Daybreak," except in color. The flowers are of a pure white, and without spots. The finest early white flowering Aster to date. Pkt. 10c.



## Thompson's New Branching Aster.

A decided good Aster and a most charming variety for cut-flowers. Mr. Thompson is a successful Aster grower near this city. We have carefully watched this beautiful and distinct new variety growing for the past two years at his place, where it was admired by all on account of its lovely color and elegant form. Following is Mr. Thompson's description: "This lovely new Aster is entirely distinct in habit of growth and flowers; they grow about 2 feet high, and same in diameter, forming an open symmetrical plant, with small dark foliage, and bearing from 10 to 60 lovely flowers on slender graceful stems 15 to 21 inches long. Flowers white, with narrow stripe of rose-pink in center of the long narrow petals; the center is a whorl of petals, and the whole flower has a beautiful ostrich plume effect. Commence blooming about the same time as late Asters; buds open gradually and flowers remain in perfect a long time; thus prolonging their time of blooming after all other Asters are gone. Unsurpassed as a cut flower. Their long slender stems and handsome foliage give them a graceful beauty that words cannot describe. To grow them at their best they should be planted in rich soil about 2 feet apart. Too often and give plenty of water in dry weather. A mulching of lawn cuttings or leaves is also very beneficial." The seed we offer has all been hand-picked and sown by Mr. Thompson.

Packet of good fresh seed, 10c. each; 3 packets for 25c.

## New Salvia Splendens, "Silverspot."

The most distinctive nature of this grand New Salvia is its strikingly handsome spotted foliage. Leaves are rich soft dark green, with light yellowish, or cream-colored, spots of various sizes liberally sprinkled over them. The unique and elegant foliage is very abundant, and has an extremely fresh, healthy appearance. The intense bright flowers are large, the plants in cut, compact habit, as floriferous as ordinary sorts. We found last season that only about 75 percent came true from seed, but it is very attractive and we will continue to grow it if less than 50 percent would come spotted.

**SEED Packet, 15c.; 2 packets for 25c. PLANTS Each, 10c.; 3 for 25c.; doz., 75c.**

## VERBENA, "NEW MAYFLOWER."

This new Flower seed novelty was raised and named by Luther Burbank, California's noted horticulturist. The shape of its blossoms, its color and fragrance are almost identical with the old and cherished Twinline Arabus or New England Mayflower. Flowers white, touch a delicate pink, and possess a rich and powerful fragrance. Pkt. 10c.

## VERBENA, "Royal Splendor" Mixture.

The most abundant and distinctly marked of all Verbenas. Unsurpassed in size, and the range in dazzling brilliancy of color is indeed wonderful. **Royal Splendor Mixture** stands without a peer for its great variety of beautiful shades. Many years were spent in bringing it up to its present high state of perfection, and a trial will prove that too much could hardly be claimed for it. Packet, 15c.; 2 for 25c. Two packets, one of each Verbena, for 20c.



# General List of Vegetable Seeds

All Standard Varieties of real merit may be found in this department. We exclude everything worthless, omit the endless number which are out of date, avoid misleading descriptions, and the offering of same varieties under different names. General instructions, as to planting and growth, while reliable, will not apply equally to all sections, as some allowance must be made for difference in latitude.

## DISCOUNTS WE SELL SIX 5-CENT PACKETS OF SEEDS FOR 25 CENTS. THIRTEEN 5-CENT PACKETS FOR 50 CENTS.

On all orders for Flower or Vegetable Seeds in packets or ounces, the purchaser may select seeds to the value of \$1.25 for each one dollar sent us. Thus, anyone sending \$1.00 can select seeds in packets or ounces amounting to \$1.25; for \$2.00 seeds in packets or ounces to the value of \$2.50, and so on, excepting only Cauliflower and Flower Seeds quoted at over 25c. per ounce. **This discount applies only on seeds IN PACKETS AND OUNCES, and does not refer to seeds offered by weight (quarter-pound, pound, etc.) or measure (pint, quart, etc.), nor to POTATOES, ONION SETS, BULBS OR PLANTS.**

**CUSTOMERS WHO ORDER EARLY** Have their seeds on hand when they want them, and avoid unnecessary delay during the rush of the season. Make out your order as soon as you receive our catalogue, and remember that heavy seeds and large quantities can be sent cheaply by freight and will reach you in time if ordered early.

**WE PAY POSTAGE** on all Vegetable and Flower Seeds offered in this list by the packet, ounce, quarter-pound, pound, pint or quart, unless otherwise noted. We guarantee safe delivery by mail, postage prepaid.

**Peck, Bushel and Barrel Lots** When ordered, the freight or express charges must be paid by purchaser.

**Seeds, ordered sent by Express or Freight**, (buyer paying transportation charges), deduct 8 cents for a pound, 8 cents for a pint, and 15 cents for a quart. Half-pounds supplied at pound rates, half-bushels at bushel rates, unless otherwise quoted.

**MARKET GARDENERS, OR OTHER LARGE PLANTERS**, requiring larger quantities of seeds than are here offered are invited to write for our Special Price List. This list we cannot send to private gardeners, even if they ask for it, as it is intended only for those who grow for market. In writing, please state whether you are a Market Gardener, Florist or Dealer in Seeds.

## Artichoke.

French—Artichaut. German—Artichoke.

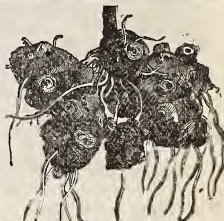
This is the French Artichoke, and is grown for its flower heads which are cooked like Asparagus. It is perennial, hardy, and easily cultivated, hence should be more generally grown. Seed can be sown in hot-beds, and transplanted into pots so as to give plenty of room, until danger from frost is past, and then transplanted into very rich ground 3 feet apart each way, or the seed can be sown outside early in April in a rich seed bed in drills 1 inch deep and 12 inches apart, thinning, when up, to 4 inches apart in rows; but in that case

will not likely produce heads the first season. Protect in winter with a slight covering of manure or leaves put on late after cutting off the old tops. The second season they will form heads about the first of July. Once established they will continue bearing for years.

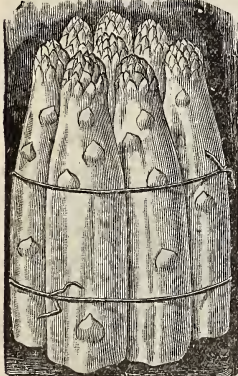
**Large Globe or Paris**—Best for general use. Pkt. 5c.; oz. 25c.; ½ lb. 80c.; lb. \$3.00.

### JERUSALEM ARTICHOKE ROOTS

—The Jerusalem Artichoke can be grown only from the tubers. It is especially valuable as a cheap and healthful hog food; yields enormous crop. Lb. 30c.; 3 lbs., 75c. postpaid. Express or Freight—Pkt., 60c.; bus., \$2.00; bbl. of 3 bus. (enough for one acre), \$5.00.



Jerusalem Artichoke Roots.



Bunch of Columbian Mammoth White ready for Market.

## Asparagus.

French—Asperge.  
German—Spargel.  
Spanish—Espárrago.

One of the earliest spring vegetables, and one that would be in more general use were it known how easily it can be grown. It can be grown in any good garden soil, but does best in moist, sandy soil. To grow plants from seed, sow in drills about 1 inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, thin out, and the following spring plants may set in beds 6 feet wide, with a 2-foot path each side; set plants 1 foot apart each way, 4 inches below the surface. The deeper the soil and the more manure used the greater the crop. Annually, after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow they should be cut and removed from the beds, and just before winter cover beds with 4 inches coarse, strawy manure or leaves, which should be removed in the spring. A bed 6x60 feet is ample for an ordinary family, and when well established is good for twenty years.

One ounce seed sows 60 feet of drill. About 400 plants to the ounce.

**Columbian Mammoth White**—A distinct variety producing shoots which are white, and remain so as long as it is fit for use. Very robust and vigorous in habit, throws large shoots and fully as many as Conover's Colossal; needs no earthing up. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 75c.

**Donald's Elmira**—Originated with Mr. Donald, a well-known market gardener of Elmira, N. Y. A good, reliable mammoth variety. Pkt., 5c.; oz., 10c.; ½ lb., 20c.; lb., 75c.

**Conover's Colossal**—A large and rapid grower of excellent quality. Pkt., 5c.; oz., 10c.; ½ lb., 20c.; lb., 50c.

**Barr's Mammoth**—Very large and uniform, grows very quick, and is light in color. Pkt., 5c.; oz., 10c.; ½ lb., 20c.; lb., 60c.

**Palmetto**—This is claimed to be an earlier, better yielder and more even grower than Colossal. Pkt., 5c.; oz., 10c.; ½ lb., 20c.; lb., 50c.

Columbian Mammoth White .....	All	Per 100—\$0.75	Per 1000—\$7.50
Donald's Elmira .....	Two	.. " .75	.. " 5.25
Palmetto .....	Year	.. " .70	.. " 5.00
Barr's Mammoth .....	Roots	.. " .65	.. " 4.50
Conover's Colossal .....	Roots	.. " .60	.. " 4.00

50 Roots at the 100 rate, 500 at the 1000 Rate.

**Asparagus Roots.** By purchasing Good Strong Roots two year's time is saved. At the prices quoted buyer is to pay Freight or Expressage.

PRICE, Delivered Free in the U. S., any variety, \$1.00 per 100 Roots. Special Prices for Larger Quantities Asparagus Roots.

Prices for Packets, Ounces, Quarter-Pounds, Pounds, Pints and Quarts are Postpaid, unless otherwise noted.

# Beans Dwarf or Bush Varieties.

One quart will plant 100 feet of drill; 1 to 1½ bushels to the acre.  
 We supply ½ peck at peck rates.

## Green Podded Varieties.

**Extra Early Round Pod Valentine** At least 10 days earlier than Early Valentine, and usually ready to pick in 35 days after planting. Pods round, thick, fleshy, of finest quality, and unequalled in uniformity of ripening; one of the most profitable sorts for gardeners. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.25.

## Livingston's Round Six Weeks



Extra Early Valentine Bean.

**Refugee, or 1000 to 1**—Very popular; productive; young pods tender, of fine quality, and handsome; medium to late; preferred by many to all others for pickling. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.00.

G. H. Houghton, Ohio. — "Your Burpee's Dwarf Lima Beans were the finest beans I ever planted."

A most excellent green podded snap bean. Not only extra early, but a good strong grower and abundant cropper. No green podded sort approaches it in freedom from strings. A favorite with market gardeners. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.25.

## Burpee's New

## Stringless Green Pod

The Bean, which, in the opinion of many growers, is destined to replace the Valentine, which it leads about two weeks in earliness; pods longer, straighter, and fully as round and fleshy. Distinguished from all other green-podded sorts by its absolute freedom from strings. Pkt., 10c.; pint, 25c.; qt., 45c. BY EXPRESS—Pk., \$1.50; bus., \$5.50.

**White Kidney (Royal Dwarf)**—An excellent shell bean for using as a green bean in succotash; one of the best for winter use. Pkt., 5c.; pint, 25c.; qt., 40c.; pk., \$1.00; bus., \$3.50.

**Packets of Beans** put up to sell at 5c., postpaid, contain TOO SMALL quantity. We therefore put up LIBERAL SIZED PACKETS at 10c., postpaid, preferring to PLEASE rather than disappoint customers.

Pint and Quart Prices include Postage.

If to go by Express at buyer's expense, deduct 15c. from quart, or 8c. from pint prices.



Livingston's Round Six Weeks Bean.

## BEANS—Other Standard Green Podded Varieties.

	Prices include postage for Packet, Pint, Quart. ½ Peck, Peck, Bushel, by Freight or Express, buyer to pay charges.			By Mail, Postpaid.		Express or Freight.	
	Pkt.	Pint.	Quart.	Pkt.	Bushel.	Pkt.	Bushel.
<b>Early White Valentine</b> —Bean white	10	25	45	\$1.30	\$5.00		
<b>Early Mohawk</b> —Productive; very hardy	10	25	45	1.15	3.75		
<b>Extra Early Refugee</b> —Hardy; abundant bearer	10	25	45	1.25	4.00		
<b>Long Yellow Six Weeks</b> —A fine early string bean	10	25	45	1.25	4.00		
<b>Best of All Dwarfs</b> —Pods long; very fleshy	10	25	45	1.50	5.25		
<b>Dwarf Horticultural</b> —Speckled Cranberry	10	25	40	1.25	4.75		
<b>White Marrow</b> —Extensively grown; good green or dry	45	20	35	1.00	3.50		
<b>Improved Navy, or Boston Pea Bean</b> —Very productive	45	20	35	1.00	3.50		

## Dwarf Lima Beans.

These varieties are of true Bush or Dwarf form, growing but 18 to 20 inches high without supports. About two weeks earlier than the Climbing Limas; abundant bearers until frost. Plant in rows 2 feet apart, plants 1 foot apart in the row.

**Henderson's Dwarf Lima**—Grows in compact bush form, and produces large crops. Pkt., 10c.; pint, 25c.; qt., 45c.; ½-pk., 90c.; pk., \$1.75; bus., \$6.00.

**Dreer's Dwarf Lima**—True bush form of Dreer's Pole Lima. Matures early; very productive; grow close together in the pod; thick, sweet, tender and succulent. Pkt., 10c.; pint, 30c.; qt., 45c.; ½-pk., \$1.10; pk., \$2.00; bus., \$7.00.

**Burpee's Dwarf Lima**—Beans as large as Large Pole Lima, strictly dwarf; come true from seed; stout growth, always erect, branches vigorously, bearing 50 to 200 handsome, large pods well filled with very large beans. Pkt., 10c.; pint, 25c.; qt., 45c.; ½-peck, \$1.10; peck, \$2.00; bus., \$8.00.

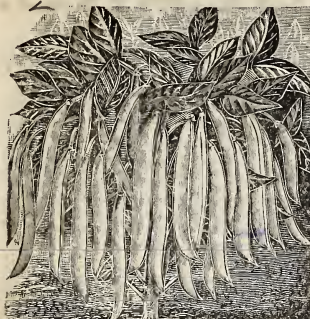
**Kumeler, or Thorburn**—Pkt., 10c.; pt., 25c.; qt., 45c.; ½-pk., \$1.10; pk., \$2.00.



**LARGE PACKETS**—Customers write us that our packets are well filled and generally contain more seeds than those of others.



## Dwarf Wax or Yellow Pod Varieties.



Keeney's Rustless Wax Bean.

### Rust-Proof Golden

**Wax.** One of the best strains of Golden Wax on the market. Hardier, more prolific, holds its pods up well, of better quality, pods longer, straighter and thicker than the ordinary Golden Wax, and is **rust-proof**. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.50; bus., \$5.25.

**Wardwell's Kidney Wax** —Early; vine medium, erect, hardy, productive. Pods long, broad, flat, brittle and of a delicate waxy-yellow. Beans large, kidney-shaped, white and dark markings about the eye. First-class green snap bean, and a good one for winter. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.50; bus., \$5.50.



Rust-Proof Golden Wax Bean.

### Keeney's Rustless Wax

A strong grower, with remarkable vigor and freedom from rust. Pods meaty and well-filled, thick-flat when young, and semi-round later; a rich yellow color, fine quality, and entirely stringless, even when large enough to shell. If pods are picked as fast as formed the plant continues to furnish a bountiful supply for an unusually long season, and is practically everbearing until frost. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.50; bus., \$5.00.

**New Davis Wax** —Pods waxy-white, long, straight and thick. Beans clear white, kidney-shaped. Very productive. Compact upright growth. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.50; bus., \$5.00.

**Ferry's Golden Wax** —Very early; golden wax color; quality excellent. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.50; bus., \$5.00.

**Currie's Rust-Proof Wax** —This variety is claimed to be absolutely rust-proof. Pods long, flat, tender and of fine quality. Early and productive. Pkt., 10c; pint, 25c; qt., 40c; pk., \$1.40; bus., \$5.00.

**Challenge Dwarf Black Wax** —A distinct Extra Early Wax Bean. Vigorous and productive. Pods large and of good color, growing uniform and well together. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.50; bus., \$5.25.

**New Valentine Wax.** An Improved Extra Early Valentine with round beautiful waxy pods. The pods are very meaty, and no other bean has less string or less hard shell to the pod as long as it is suitable for cooking. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.50; bus., \$5.50.



New Valentine Wax Bean.

**Crystal White Wax** —Distinct; one of the best; matures quick, slow to harden, retaining their juicy, succulent flavor for days after they are ready to pull. Pods ivory white, good size, round and very fleshy. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.75; bus., \$6.00.

**Golden-Eyed Wax** —Hardy, early, vigorous, growing very rapidly, and yields a great profusion of tender, succulent pods of beautiful waxy appearance. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.40; bus., \$4.50.

**Prolific German Black Wax** —An improved strain of Early Black Wax, having longer, whiter, fleshier pods and being more productive. Pods are round, waxy-yellow, solid and tender. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.50; bus., \$5.25.

**Scarlet Flageolet Wax** —Pods large. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.60; bus., \$5.50.

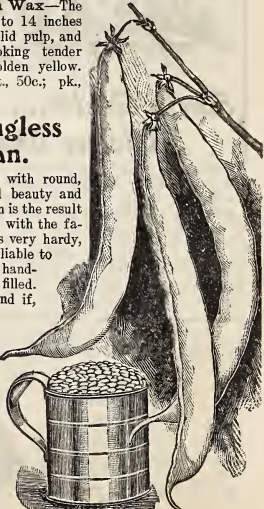
**White-Seeded Wax** —Excellent snap bean. Seed pure white. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.40; bus., \$5.00.

**Yosemite Mammoth Wax** —The monster pods average 10 to 14 inches in length, are nearly all solid pulp, and absolutely stringless, cooking tender and delicious; a rich golden yellow. Pkt., 10c; pint, 30c; qt., 50c; pk., \$2.00; bus., \$7.00.

### Jones' Stringless Wax Bean.

A new white-seeded variety with round, stringless pods of unsurpassed beauty and quality. This splendid new bean is the result of crossing of white-seeded sort with the famous Stringless Yosemite. It is very hardy, wonderfully productive, and not liable to rust. The pods are uniformly handsome, round, fleshy and well filled. The beans matured are white, and if, for any reason, the crop cannot be sold as green snap beans, the gardener who plants this variety has two more chances. He can sell it as green shelled beans, or let it mature and sell as dry beans. Pkt., 10c; pint, 30c; qt., 50c; pk., \$2.00; bus., \$7.00.

Geo. B. Chamberlain, N. Y., Oct. 22, 1908. "The Yellow Poddied Pencil Beans you sent me for trial proved to be all you claimed. They were very tender, stringless and luscious, and the best we have raised for years."



Jones' Stringless Wax Bean.

*Long Pod Kidney Wax. Round Pod Kidney Wax.*

*Powell's Prolific Pole.*  
*Royal Corn*



### Early Golden... ...Cluster Wax.

The best of all Wax Pole Beans. Pods bright, golden yellow, stringless, tender and of delicious flavor. Vines strong and hardy, enormously productive, and bears in clusters. Matures very early and continues bearing until frost. Beans clear waxy-white; excellent shelled green. The most profitable market Wax sort. Pkt., 10c.; pint, 30c.; qt., 50c.;  $\frac{1}{2}$  pk., \$1.20; pk., \$2.00; bus., \$7.50.

**Ford's Mammoth Podd**—Pods 6 to 9 inches long, produced in clusters of 5 or 6; of excellent quality for using either green or dry. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$2.00; bus., \$7.50.

**Small White (Sieva)**—Smaller leaves and seeds, but earlier and more hardy than the Large Lima. Pkt., 10c.; pint, 25c.; qt., 45c.;  $\frac{1}{2}$  pk., 50c.; pk., \$1.50; bus., \$6.00.

A. J. VERNER, Pennsylvania.—"I had Siebert's Early Lima from you last year and they proved to be a fine bean."

# POLE BEANS.

The pole or Running varieties are more tender and require more care in culture than the Dwarf or Bush varieties, and should be sown two weeks later; they succeed best in sandy loam, which should be liberally enriched with manure. 3-in hills 3 to 4 feet apart; plant 5 or 6 beans in a hill, about 2 inches deep, leaving space in the center for the pole. When the beans are well started they should be thinned to 2 or 3 plants in a hill. One quart makes 100 to 200 hills, according to size of beans. 8 to 12 quarts plant an acre.

Our Quart and Pint Prices Include Postage.

If to go by Express, at buyer's expense, deduct 15c. from quart, or 8c. from pint prices quoted below.

Large Packets.

Customers write us that our packets contain more seeds than others.

**Mammoth Podd Horticultural Pole Bean.** The mammoth pods are exceedingly brilliant crimson, and the immense beans are of the best quality. Pkt., 10c.; pint, 30c.; qt., 50c.;  $\frac{1}{2}$  pk., \$1.20; pk., \$2.00; bus., \$7.50.

**Kentucky Wonder**—A very prolific sort, bearing its pods in large clusters; pods green, often reaching 9 or 10 inches in length, nearly round when young, and very crisp. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$2.00; bus., \$7.50.

**Lazy Wife's**—Pods grow from 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked; their tender, rich flavor until nearly ripe; a good white shell bean for winter use. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$2.00; bus., \$7.50.

## STANDARD POLE VARIETIES.

These prices include postage for Packet, Pint and Quart.  $\frac{1}{2}$  Peck, Peck and Bushed to go by Freight or Express, buyer to pay charges.

White Crossback—Extremely early; productive; long green round pod; One quality.....	.10	.25	.45	.90	1.60	6.00
White Dutch Case-Knife—Splendid to shell green or dry; an excellent corn bean.....	.10	.25	.45	.80	1.50	5.50
Speckled Cranberry—The old "Bird Egg".....	.10	.25	.45	.80	1.75	6.00
Red Speckled Cut-Short—"Corn Hill".....	.10	.25	.45	.80	1.50	5.50
Southern Prolific—Pods long, green, fleshy, crisp and excellent.....	.10	.25	.45	.90	1.75	6.50
Giant Red Wax—Yellowish-white waxen pods, fleshy and tender.....	.10	.30	.50	1.20	2.00	7.50
Scarlet Runner—Clusters bright scarlet flowers.....	.10	.25	.45	.80	1.50	5.50
White Runner—White beans and blossoms.....	.10	.30	.50	1.00	1.75	6.50
Yard Long or Cuban Asparagus Bean—A curiosity; dark green foliage; pods over two feet long and very abundant.....						

Packets only—10c.; 3 packets for 25c.

Packets only—10c.; 3 packets for 25c.

## POLE LIMA BEANS.

Lima Beans will not grow until the weather and ground are warm, and if planted before they are apt to rot in the ground.

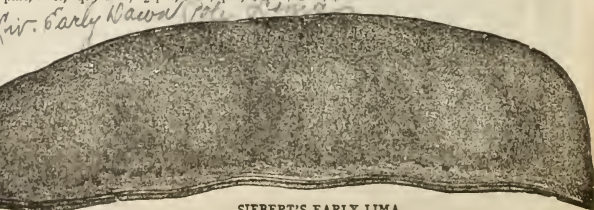
**SIEBERT'S EARLY LIMA**—THE EARLIEST TRUE LIMA AND THE VERY BEST FOR MARKET GARDENERS. Very productive, hardy and vigorous. Produces pods early, and the beans are of fine quality. The green shelled beans are of immense size, so tender and succulent that they shrink in drying to about the size of the Large White Lima. Pkt., 10c.; pint, 30c.; qt., 50c.;  $\frac{1}{2}$  pk., \$1.20; pk., \$2.00; bus., \$7.50.

**Early Jersey**—Beans are nearly as large and equally as good as the late sorts, but two weeks earlier. Pkt., 10c.; pint, 30c.; qt., 50c.;  $\frac{1}{2}$  pk., \$1.00; pk., \$1.75; bus., \$6.50.

**King of the Garden**—Vigorous grower, bearing large pods 5 to 8 inches long. Beans large, of rich flavor. Pkt., 10c.; pint, 25c.; qt., 45c.;  $\frac{1}{2}$  pk., \$1.00; pk., \$1.75; bus., \$6.50.

**Dreer's Improved (Challenger)**—Beans, when green, as large as Large Lima, but thicker, sweeter and more tender. Vines very early, productive, bearing closely crowded clusters until frost. Pkt., 10c.; pint, 25c.; qt., 45c.;  $\frac{1}{2}$  pk., \$1.00; pk., \$1.50; bus., \$7.00.

**Extra Large White**—The old favorite for home use or the market. Pkt., 10c.; pint, 25c.; qt., 45c.;  $\frac{1}{2}$  pk., 90c.; pk., \$1.75; bus., \$6.50.



SIEBERT'S EARLY LIMA.





## CROSBY'S IMPROVED EGYPTIAN BEET.

OUR LEADER.

EXTRA EARLY.

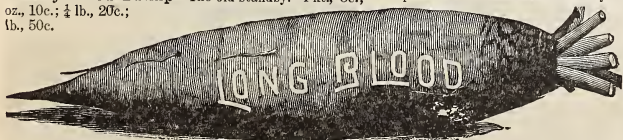
A very superior strain of Blood-Red Egyptian, carefully selected for years by Mr. Crosby, a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few small tops, very small tap root, fine quality, and, above all, quick, rapid growth. The shape is very desirable, not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to the Globe and Half-Long varieties, which require longer time to grow to presentable market shape. This is a decided advantage to those who force for real early market, and especially for a market where beets are sold in bunches. It is PREFERRED TO ALL OTHERS for forcing in frames or for first sowing outside. Being a rapid grower it may be sown outside as late as July. We have made a very fine selection of this stock for years and we believe have it nearer the original Crosby idea than any one in the trade; many samples we have tested from other houses turned out to be the ordinary Egyptian, a mixture or inferior grade of so-called "Crosby." If planted every three weeks it makes a most excellent beet for family use.

**PRICE OF EXTRA CHOICE SEED OF our own growth**—Pkt., 10c.; oz., 15c.,  $\frac{1}{4}$  lb., 35c.; lb., \$1.00, postpaid.

**BROCKMAN & CO., Sebastian Co., Ark.**  
"We have found your Crosby's Egyptian Beet to be the best of any we raised last season."

**J. S. DRAKE, Miami Co., Ohio.** "Year before last I sent to you for Crosby's Egyptian Beet, and raised a fine lot of beets. Last year I sent to another house for the same variety of seed and raised a very poor lot of beets."

**Early Blood Turnip**—The old standby. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.



Edmand's Early Blood Turnip Beet.

# BEET



Detroit Dark Red Beet.

## Table Beets.

French—*Betterave*. Spanish—*Betteraga*.  
German—*Bunkle-Rube*.

The soil best suited for the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hot-beds and transplant; but for main crop sow in the spring as soon as the ground becomes fit to work, in drills 18 inches apart and 2 inches deep. For winter use the turnip varieties may be sown as late as June. When the plants have attained 3 or 4 inches in height thin out so that they stand 5 or 6 inches apart. Keep free from weeds by frequent hoeing, and hand weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling. One ounce of seed to 50 feet of drill. 5 to 6 pounds to the acre.

Prices  
include  
Postage  
Prepaid  
by us.

**EDMAND'S EARLY BLOOD TURNIP**—This beet, of American origin, is the most uniform of all Turnip Beets. The root is always smooth, round and handsome, tops small, of good marketable size, and among the best for table use. color dark red, flesh purplish-red, crisp, tender and sweet. An excellent keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**DETROIT DARK RED**—One of the best red TURNIP-SHAPED varieties. Has small, upright tops, splendid shape; color of the skin is dark blood-red, flesh deep bright red. Very crisp, tender and sweet; matures early, holds a long time in condition for use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**DEWING'S IMPROVED BLOOD TURNIP**—The leading main crop variety. Roots smooth, handsome, good size, tender and sweet. A favorite with marketmen. The seed we offer is grown from SELECTED BEETS and is unexcelled by any in the country. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**EARLY EGYPTIAN**—Very early, dark blood-red, medium size, tender and sweet; used for forcing. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**ECLIPSE**—A very early, handsome, smooth, dark globe-shaped beet; small top; very desirable quality. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**ARLINGTON FAVORITE**—A beet of fine form, good flavor, deep blood-red colored flesh, small foliage; for general market garden cultivation hard to excel. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**HALF-LONG BLOOD-RED**—Of handsome shape, fine quality, and quick growth, coming in soon after the Turnip varieties; good for winter use if planted about the middle of July. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Bastian's Early Blood Turnip**  
Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Early Flat Red Bassano**—Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Long Dark** **BLOOD-RED**  
A good keeper; excellent for winter use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

# Mangel Wurzels and Sugar Beets.

## Mangel Wurzels are Largely Grown for Stock Feeding.

The results from their use are wonderful, as is clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving in hay. They can be raised at a very trifling cost, and yield immense crops per acre. For the best results the soil should be deep, rich and fine, and frequently and deeply worked throughout the season. Sow the seed in slight ridges three feet apart. After sowing pass over the rows with a light roller to thoroughly pack the seed, which will cause them to germinate quickly. 4 or 5 pounds of seed required per acre.

**IMPROVED MAMMOTH LONG RED**—Also called Norbitan Giant, Jumbo Mangel, Colossal, etc.—A general favorite with the farmer and dairyman; large, well-formed variety; blood-red color; exceedingly nutritious. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.10; 10 lbs., \$2.00.

**Golden Giant Intermediate**—(Yellow Leviathan, Mammoth Yellow)—Beautiful russet-yellow; skin smooth; flesh white, firm and sweet; produces enormously; excellent keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25; 10 lbs., \$2.25.



**Champion Yellow, or Orange Globe**—Very productive, easily pulled; excellent keeper; spherical in shape; orange-yellow. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

**Red Globe**—Similar to the Yellow Globe, except in color. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

**GOLDEN TANKARD**—Considered indispensable, owing to its productiveness and richness in saccharine matter. Flesh yellow, tops small, necks very small, roots large; especially relished by sheep. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.10; 10 lbs., \$2.00.



**Special Prices on application for Larger Quantities of Mangels and Sugar Beets.**

## Sugar Beets.

**LANE'S IMPERIAL**—An excellent American variety, and well liked for stock-feeding. Large, smooth, of fine grain and very sweet. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 20c.; 5 lbs., 90c.; 10 lbs., \$1.70.

**French Red Top**—Extensively grown in France. Ripens early and yields large returns in sugar per acre; heavy cropper. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

**KLEIN-WANZELBEN**—The root is conical, straight and even, quite large at the head and rapidly tapering. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality, containing a large amount of saccharine matter. They are excellent for feeding cows, improving wonderfully the quantity, and also the quality, of the milk.

**VILMORIN'S IMPROVED WHITE**—A medium sized White Sugar Beet brought by the most careful selection to the highest perfection, both in shape and color of roots. Greatly esteemed by sugar manufacturers. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 35c. By Express—Lb., 25c.; 5 lbs., \$1.10; 10 lbs., \$2.00.

## SWISS CHARD—Silver or Sea Kale Beet.

Cultivated for its leaves. The mid-rib is stewed and served as Asparagus, other portions of the leaf being used as Spinach. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

## Broccoli.

**French—Chou Brocoli.** German—*Spargel-Kohl*. Sow thinly in seed beds about the middle of spring; transplant and cultivate the same as Cabbage. Produces heads very nearly like Cauliflower, but more hardy.

**Early Large White**—Heads medium size, close and compact. One of the most certain to head. Pkt., 10c.; oz., 30c.;  $\frac{1}{2}$  lb., \$1.00.

**BORECOLE, or KALE**—See Kale.

## Brussels Sprouts.

**French—Chou de Bruxelles.** German—*Spreeen Kohl*. Brussels Sprouts are being more extensively grown and used. Home gardeners are finding out that this delicious vegetable can be as easily grown as cabbage. Sow in May and manage as winter cabbage. In the fall break the leaves down so that the little cabbages will have more room to grow.

**Best Imported Dwarf**—Produces compact sprouts of finest quality; a good keeper. Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 50c.; lb., \$1.50.

## Chicory.

**Large-Rooted**—Used to mix with or as a substitute for coffee. Cultivate the same as the Carrot. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 25c.; lb., 75c.

## Collards.

A plant of the Cabbage family. It is well adapted to the South, enduring extreme heat; very popular; excellent for greens. **True Southern**—Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., \$1.00.

## Corn Salad, or Feticcus.

German—*Lammssalat*.

French—*Mache*.

A vegetable used as a salad. Sow the first opening of spring in rows 1 foot apart, and is fit for use in six or eight weeks. If wanted in early spring, sow in September, cover with straw or hay as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or shutters, and used any time during the winter.

**Large Leaved**—Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 60c.

## Cress, or Pepper Grass.

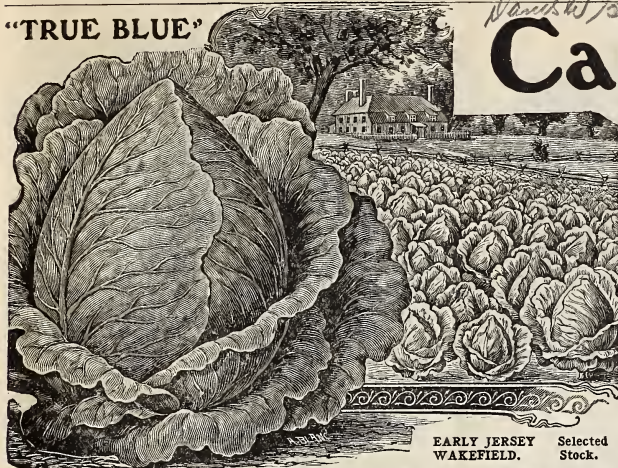
A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up a succession, as it soon runs to seed.

**Extra Curled (Pepper Grass)**—May be cut two or three times. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Upland Cress**—This is a hardy perennial; stays green nearly the whole year; ready for use in the spring before any other salad. Eaten like Lettuce or Boiled like Spinach. Sow in April in rows 1 foot apart. Pkt., 10c.; 3 pkts., 25c.;  $\frac{1}{2}$  oz., 40c.; oz., 75c.

**Water Cress**—A well-known hardy perennial aquatic plant. It is easily grown along margins of ponds and streams where it increases both by spreading of the roots and seeding. Has a pleasant pungent taste. Pkt., 10c.; oz., 25c.;  $\frac{1}{2}$  lb., 75c.; lb., \$2.75.

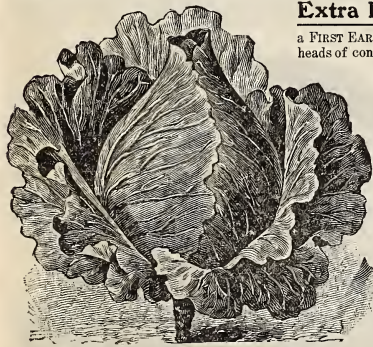


**"TRUE BLUE"**

**EARLY JERSEY WAKEFIELD.** Selected Stock.

One Ounce of Seed produces about 2,500 plants. Four ounces will grow enough plants to set an acre.

**All-Head Early (True)**—A thoroughbred sort, on account of its remarkably uniform size and shape, and reliability for heading. Deep, flat heads, solid and uniform in color, shape and size. The main feature of a good cabbage is TENDERNESS, and in this respect it is unsurpassed for winter. Sown in July, and the plants set out about the middle of August, will bring heads, large and solid, sure to winter well. By reason of its compactness and absence of loose leaves, fully 1,000 more heads can be obtained to the acre than of most other good sized varieties. Set plants 18 inches apart, 3 feet between rows, and 9,680 plants can be set on an acre, 95 percent of which will make merchantable heads. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.90.



**Early Winningstadt Cabbage.**

# Cabbage

French—Choux Pommés.  
German—Kopf Kohl.  
Spanish—Repollo.

Cabbage requires deep, rich, mellow soil, high manuring and good culture to obtain fine, solid heads. For early use sow seeds of the early kinds in the hot-bed or in a box in the house the last of January or early in February, and transplant in the open ground in April, in rows 2 feet apart and 18 inches in the row; or sow a bed of seed outside as soon as the soil can be worked. Transplant in about four weeks. For second early cabbage, sow in April, and transplant in May. For late cabbage, sow in May, and transplant in July, in rows 3 feet apart and 2 feet in the row. In transplanting it is important that plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir the earth deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting go frequently over the ground and start every cabbage that appears about to mature, by pushing them over sideways, which breaks some of the roots and checks its growth. To prevent attacks of Cabbage Fly on small plants, dust thoroughly with plaster, air-slacked lime or wood ashes. For Cabbage Worm try Slug Shot; (see Insect Destroyers in this Catalogue.)

**Early Jersey Wakefield** Selected Stock—Many market gardeners consider this the VERY BEST EARLY CABBAGE in cultivation. Certainly deserving of its great popularity. Grown extensively for market and shipping. Its merits are many, among which are—large heads for an early sort, small outside foliage, and uniformity of crop. Pyramidal in shape, having a blunted or rounded peak. The sort mostly used for wintering over in cold frames. THE SEED WE OFFER IS FIRST-CLASS and sure to give satisfaction. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.85.

**—VERY EARLY ETAMPES**—Earliest of all Cabbages, except Express. Heads oblong, rounded at top, solid and firm, medium size, very fine quality. Pkt., 5c; oz., 15c;  $\frac{1}{2}$  lb., 45c; lb., \$1.25.

**Extra Early Express** Earliest Cabbage in the World. While not as large as Jersey Wakefield, it is several days earlier, and for a FIRST EARLY variety cannot be excelled. Resembles the Etampes, having solid, compact heads of conical form, and yellowish-green color; very dwarf and uniform; desirable as a quick forcing sort. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**Large Wakefield**, or Charleston Wakefield—Selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, but grows much larger, heads often averaging 15 to 18 pounds; as solid as Winningstadt. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Henderson's Early Summer** Selected Stock—About 10 days later than Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners. Equal in weight to most of the late varieties, and its short outer leaves allow it to be planted nearly as close as Wakefield. Keeps longer without bursting than any variety we know of. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

**Early Winningstadt** The Old Standby—Well known and very popular; in season very close to Wakefield. Heads large, decidedly conical, leaves bright glossy-green, solid and hard, even in summer. A very sure heading variety. Valuable not only for early use, but also for winter cabbage. As near worm-proof as any cabbage in the list. Pkt., 5c; oz., 15c;  $\frac{1}{2}$  lb., 40c; lb., \$1.35.

**1897** "I have been cutting fine Jersey Wakefields for two weeks. I have a block of ten thousand All-Head Early I wish you could see—it is simply immense; in another week I can take it row by row and cut every head."—**Bartholomew County, Ind., Jun 29th.**—**RUBOTTOM.**

**1898** "I send you a photograph, taken June 4, of a field of 6½ acres of Jersey Wakefield and All-Head Early Cut first Wakefield for market May 27; first All-Head, June 17. Fully 95 percent of the entire field were marketable. Your seeds have given best of satisfaction all the way through."—**June 20 — G. RUBOTTOM**

**1899** "Please allow us to thank you kindly for your generous and fair dealing for the past three years. Our garden this year—25 acres—is exceptionally fine. Every variety of your seeds gave best of satisfaction. Our entire seed bills in the future are yours."—**Bartholomew Co., Ind., Jun 6.—G. RUBOTTOM**



Burpee's Surehead Cabbage.

**GENUINE BURPEE'S SURE HEAD**—Is a very reliable header; large, round, flattened heads of the Flat Dutch type; a good keeper and shipper; exceedingly popular. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.90.

**Early Deep Head**—An improvement over the old Fottler cabbage, and a magnificent variety. It makes a larger and thicker head, hence it is better to keep over winter, "peeling" well in the spring. The best second early cabbage we ever raised. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Early Dwarf Flat Dutch**—An excellent second early variety, producing fine, large heads after the first early varieties have disappeared. Highly valued both for its fine quality and ability to resist heat. Heads very solid, broad and round, flattened on top; tender and fine grained. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

## Livingston's Ideal Winter Cabbage.

This variety is a few days earlier than Livingston's Premium Flat Dutch, and is certainly one of the most magnificent strains of Late Flat Dutch known to-day. By persistent selection, year after year, it has been brought to a state of perfection rarely attained. The large, solid heads, the low, short stems, the absence of useless foliage, uniformity of size and shape, reliability for heading, and the long continued selection mentioned above, all combine to make this the Ideal Cabbage for Profit. Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**WM. C. WAGNER, Ray's Crossing, Ind.** I have grown many strains of fine winter cabbage, but the Ideal beats them all. It forms the prettiest, stockiest plant I ever saw in any strain of cabbage before, with heads remarkably large, tender and solid. In fact, it is all anyone could wish in a fall or winter cabbage. I cannot praise too highly.

**THOMAS L. DODSON, Perry Co., O.** "I can recommend your Ideal Cabbage very highly. I think there is none better. All the seeds I got from you gave good satisfaction."

**Henderson's Succession**—About one week later than the Early Summer, but nearly double the size, while it can be planted nearly as close, its outer leaves being unusually short. One of its characteristics is the fact that it is always sure to head. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.75.

**Early Spring Cabbage.** A New Extra Early Flat Head Variety. As early as Jersey Wakefield. Yields one-third more than any other extra early cabbage on the same space of ground. Plant them 21 inches apart and you have 15,000 per acre. It has the peculiarity of heading firmly at an extra early stage in its growth, making it a valuable variety for extra early market. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.25.

**ALL SEASONS**—A greatly improved strain of Early Flat Dutch. Heads very large, round, solid, and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand the hot sun and dry weather. One of the very best for general cultivation, and none better for late planting. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 70c; lb., \$2.25.

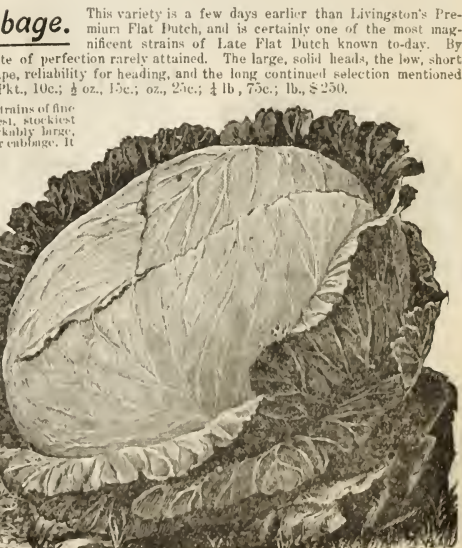
**Chase's Excelsior**—A medium early variety, following Early summer, but with heads almost double the size. It is very uniform in type, sure to head, and is exceedingly solid. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Louderback's All-Year Round**—One of the finest Early Drum heads now grown. Heads large, compact and solid; very short stem, is hardy, and can be sown at any time during the cabbage planting season and will head up to the satisfaction of the grower. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Filderkraut**—A solid and sure heading german variety. Heads pointed conical; resembles the Winnungstadt, but is larger and more pointed. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**Fottler's Short Stem Brunswick**—A rapid grower; has large, solid heads and but few outside leaves. If planted early it is ready for use in July or August; planted late it is a choice winter sort. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 70c; lb., \$2.25.

**Early Louisville Drumhead**—A favorite about Cincinnati and Louisville, where it has been grown for more than forty years. Heads very large and solid; a sure header; will stand without bursting almost the entire summer. For winter use sow late in the season. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.





## Livingston's Premium Flat Dutch Cabbage.

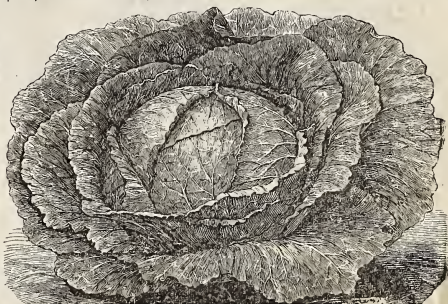
Some fifteen years ago we set out to build up a strain of Large Late Flat Dutch Cabbage that would be better than any other on the market. We are strongly convinced that we now have it in our SELECT PREMIUM FLAT DUTCH. Our purpose has been to weed out every objectionable point, and to fix firmly every good quality. It produces many tons to the acre because of its solidity and compact, snug manner of growth unlike most large sorts, it is solid to the heart. Seeds have been grown ALWAYS FROM HEARTS (not from stalks after the heads were taken off) fully developed and perfect in every respect; this strain has a most vigorous constitution. For the winter market it has no superior. Heads are large and very solid; they open white, crisp and tender, and with good cultivation are sure to head. Grown largely by marketmen on account of its good shipping qualities. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.50; 2 lbs., \$4.50, postpaid.

### BEST EVER RAISED.

Mrs. Mollie Smoot, Mo., April 11, '99—"Livingston's Premium Late Flat Dutch Cabbage is the finest I ever raised."

**Bridgeport Drumhead**—Very popular about Chicago, and shipped more largely than any other from that market. Pkt., 5c, oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

**Large American Drumhead**—A very superior fall and winter variety; large, solid heads. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.



Autumn King or World Beater Cabbage.

Livingston's Premium Flat Dutch Cabbage.

**Luxemburg**—TRUE AMERICAN—Owing to its many remarkable keeping properties, and the fact that the head remains as green as when gathered in the fall; it is the king of all cabbage for late keeping in the spring. For spring and late spring sales, when cabbages usually bring their highest price, this is THE CABBAGE. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.25.

**THE NEW LUPTON CABBAGE**—A GRAND, GOOD CABBAGE. A rare combination of the second early and late sorts. Strong in constitution, perfect in type it has none of the coarseness of the late varieties, with all the fine qualities of early maturity. The stock is short; color dark green; very large heads in proportion to the plant. Especially adapted to all purposes of the farmer and market gardener, as it will grow more uniform, head better, and keep equally as well as the later varieties. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.25.

**Autumn King**—WORLD BEATER—One of THE FINEST strains of Late Cabbage ever offered. It produces regular, even heads of enormous size, and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.25.

**Large Late Flat Dutch**—Grows to a large size, the flat, solid heads often weighing fifteen to twenty pounds. A sure header and a good keeper over winter; extensively grown for shipping. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00.

## ✦ ✦ SAVOY CABBAGE. ✦ ✦

The Savoy or Curley Cabbage are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

**Early Paris Savoy**—Best early Savoy; heads firm, solid, beautifully crimped; finest quality. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**American Drumhead Savoy**—A late Savoy and far superior to the ordinary IMPORTED Drumhead Savoy. Heads large and very finely curled; short stalk, compact grower; excellent keeper. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

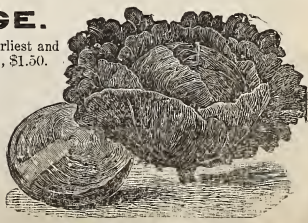
**Marvin's Large Savoy**—This distinct and most excellent variety originated with a Long Island trucker, and is the finest of the Savoy class. It is very uniform, solid, very curly and a sure header (90 to 95 per cent.). Its flavor is unsurpassed by any late cabbage. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

## RED CABBAGE.

**Extra Early Blood Red Erfurt**—Earliest and reddest. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**Red Drumhead**—Heads large, rounded, hard and very deeply colored at heart. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**Mammoth Rock Red**—Heads as large as the Flat Dutch, deep red to the center; highly recommended. Hard as a rock. Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 30c;  $\frac{1}{4}$  lb., 75c; lb., \$2.25.



Mammoth Rock Red Cabbage.



Marvin's Large Savoy Cabbage.

# CAULIFLOWER.

German—*Blumen Kohl.*French—*Chou fleur.*Spanish—*Coliflor.*

The culture of Cauliflower is similar to Cabbage. It delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow seed in the hot-bed in January or February, and transplant the plants 2 or 3 inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in open ground, which, in this latitude is usually from the 15th of March to the 10th of April. Set the plants 2 feet by 15 inches apart. If properly hardened off they are seldom injured by being planted out too early. When heading tie the outside leaves loosely over the head to protect it from the sun. Cauliflower should be kept growing constantly, as it may be injured by a check at any period of growth.

One ounce gives 1500 to 2000 plants.

## Livingston's Earliest.

**FINEST IN THE WORLD.**

**Sure Header.  
Select Stock.**

Livingston's  
Earliest.



The best of all for forcing under glass. Compact grower, extremely early, sure heading, heads large, solid, and white as snow. Gardeners who have tested this fine stock invariably pronounce it the most profitable variety for either early or late planting. In short, it is an excellent all-seasons Cauliflower. **Price, under our Truc Blue Seal**—Pkt., 25c.;  $\frac{1}{4}$  oz., 90c.; oz., \$3.50;  $\frac{1}{4}$  lb., \$12.00.

**EXTRA EARLY DWARF ERFURT**—The favorite German variety. Dwarf habit, compact grower, short outside leaves; can be planted 20 inches apart. **SURE HEADER.** Pkt., 15c.;  $\frac{1}{4}$  oz., 65c.;  $\frac{1}{2}$  oz., \$1.25; oz., \$2.25;  $\frac{1}{4}$  lb., \$7.50.

**Veitch's Autumn Giant**—The heads are beautifully white, large, compact, and being thoroughly protected by the foliage, remain longer fit for use. Pkt., 5c.;  $\frac{1}{2}$  oz., 25c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.50; lb., \$3.75.

**HENDERSON'S EARLY SNOWBALL**—One of the best types of Cauliflower on the market. If planted March 1st, large heads will be produced early in June, and scarcely a single head will fail to form. The outer leaves are short, so that plants may be set 18 to 20 inches apart. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting. **OUR STOCK CANNOT BE EXCELLED IN QUALITY.** Pkt., 25c.;  $\frac{1}{4}$  oz., 75c.;  $\frac{1}{2}$  oz., \$1.50; oz., \$2.75;  $\frac{1}{4}$  lb., \$9.00.

**Half Early Paris, or Nonpareil**—Large, white and compact; good early or late. Pkt., 5c.;  $\frac{1}{4}$  oz., 20c.; oz., 60c.;  $\frac{1}{4}$  lb., \$2.00.

**Large Late Algiers**—A splendid late variety; popular with canners and market gardeners. Seldom fails to produce large, white heads. Pkt., 10c.;  $\frac{1}{2}$  oz., 40c.; oz., 70c.;  $\frac{1}{4}$  lb., \$2.00.

# Cucumbers.

German—*Gurke.* French—*Courcoubier.* Spanish—*Cohombro.*

quickly, sometimes from effects of over-feeding and from the use of manures that are too quick; on this account cow manure is preferred to horse manure. One ounce of seed for fifty hills. One to two pounds for an acre.

## Livingston's Evergreen Pickle.

Introduced by us in 1890, now well-known the country over, catalogued by all the leading seedsmen, and generally admitted to be the best pickle sort offered, possessing every qualification required in a perfect Pickle Cucumber. One grower says it bears "four to one" compared with the standard sorts. It is a very strong grower, extra early, and bears firm, crisp fruits which are excellent for slicing. When ripe it is **YELLOW**, not **WHITE**, as some have mistaken it. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.;  $\frac{1}{2}$  lb., 65c.; 3 lbs., \$1.50, postpaid.

**LIVINGSTON'S EVERGREEN.**



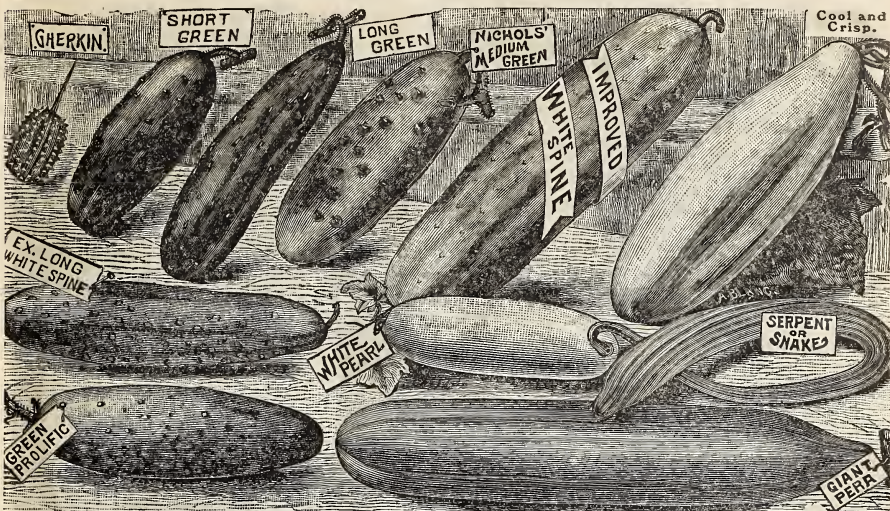
## LIVINGSTON'S EXTRA EARLY WHITE SPINE

This Private Strain we have had for over 20 years, and is the most thoroughbred, uniform and shapely variety known, not only for first early but general crop. It excels in earliness, often ready for slicing when other sorts are only pickles. In purity it is unequalled. Vines are vigorous growers. Excellent for slicing and makes choice pickles; straight and smooth; a great bearer, keeps green longer than the yellow varieties; no sort excels it in crispness and flavor. Our Southern friends will find it admirably adapted to their wants. **SELECTED SEED**—Pkt., 5c.; oz., 14c.;  $\frac{1}{4}$  lb., 25c.;  $\frac{1}{2}$  lb., 75c.; 3 lbs., \$2.00.



LIVINGSTON'S EXTRA EARLY WHITE SPINE.





**Extra Long, or Evergreen White Spine**—Longer than the Peerless; fine quality; makes a good pickle; used quite extensively for growing under glass. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 60c.

**White Pearl (Japan White)**—A beautiful pearly white; even the young fruits are a very light color; tender; crisp in taste; splendid quality for forcing. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., 90c.

**Improved Long Green**—Long and crisp; a popular and reliable variety for pickles. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Nichol's Medium Green**—We introduced this variety to the public in 1853. Color dark green; flesh crisp and tender; medium size; always straight and smooth; a real handsome and prolific variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Chicago, or Westerfield Pickling**—Popular with Chicago gardeners; medium length, slightly pointed at ends, very large, prominent spines; deep green. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Peerless White Spine**—ONE OF THE FINEST. Large, straight and well formed; full at both ends; productive; skin deep green, holding color until maturity. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Boston Pickling, or Green Prolific**—Its characteristics are its uniform growth, seldom yielding cucumbers too large for pickling, and its immense productiveness. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 45c.

**Early Green Cluster**—A short, prickly variety bearing clusters; prolific; fine for bottle pickles. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Extra Early Russian**—The earliest; small, hardy, productive; excellent for small pickles. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Thorburn's Everbearing**—Small, very early, productive, and valuable as a pickle. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 60c.

**Improved White Spine, or Arlington**—GENUINE STOCK—For market use and pickling this variety is much superior to the old White Spine. Our stock is the true Boston strain. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Albino**—A fine white skinned sort; excellent for home use. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 60c.

## Japanese Climbing Cucumber.

Vines extra strong; foliage more vigorous than other kinds, and being a climbing sort, can be grown on trellises, etc., saving valuable space in small gardens. It is very prolific, from 40 to 50 cucumbers having been counted on single plants. Fruits cylindrical, about ten inches long, and fine flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 25c.; lb., 90c.

**Giant Pera**—A magnificent variety of delicious flavor. Flesh white; crisp and tender at all stages. Of enormous size, frequently 18 inches in length and 10 inches around; very smooth and straight; skin free from spines. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 75c.

**Early Frame, or Short Green**—A popular variety of medium size. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Jersey Pickling**—Intermediate between Long and Short Green, forming a long, slender, cylindrical pickle; very crisp and tender. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 55c.

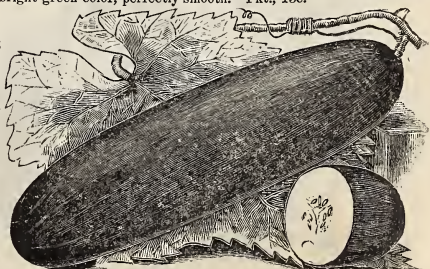
**Cool and Crisp**—The beautiful green color of this variety is all that can be desired. Excellent for pickling or slicing. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 65c.

**Serpent, or Snake Cucumber**—A very interesting curiosity. The cucumbers grow curled up like a snake with the head protruding, and sometimes several feet in length; quality fair. Pkt., 10c.

**Gherkins**—(TRUE WEST INDIA)—Used only for pickles. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., \$1.00.

## English Frame, or Forcing Cucumbers.

**Noa's Forcing**—Most excellent sort; prolific. Pkt., 15c.  
**Rollison's Telegraph**—Grows about eighteen inches long, bright green color, perfectly smooth. Pkt., 15c.



## Livingston's Emerald.

Pkt., 5c.; oz., 10c.,  $\frac{1}{2}$  lb., 30c.; lb., 75c. See Novelties.

# Celery

Livingston's  
High Grade  
Celery Seed

German—Seselp.

French—Celeri.

Spanish—Apio.

**Celery Culture.** Celery can be successfully grown with but little labor, in any well-kept garden soil, by using plenty of well rotted manure with a liberal sprinkling of coarse salt worked into it, and this mixture should be put into the trenches, working it well into the soil, at least two weeks before the plants are transplanted into them. It delights, however, in low, moist, rich bottom land, or well-drained muck soil. It is usually grown as a second crop.

**Growing the Plants.** It is not necessary to sow the seeds in a hot-bed or cold frame, as it is apt to run to seed if started too early, but sow in the open ground as soon as it is fit to work in April, and an additional sowing of two between this date and May first, will insure a plentiful supply of good plants. Sow in rows so that it can be kept free from weeds. Prepare the soil well and cover the seed very shallow and firm the soil well after sowing; also keep very moist until the seed germinates. After coming up the plants should be partially shaded for a week or ten days, and see that the soil does not get too dry. When two inches high, thin and transplant three inches apart. To insure good "stocky" plants, the tops should be cut back, to say within two inches of the crown, when about four inches high.

**Transplanting.** The evening is the best time, and especially if after a shower; otherwise give them a good watering and you will lose but very few plants. Remember that it is essential that the soil be pressed firmly about each plant when set out, especially if done in a dry time; the old method of setting in deep trenches is a thing of the past. Some of our most successful growers set on the level surface, while others prefer a broad, shallow trench, only three or four inches deep. These trenches should be at least three feet apart for the dwarf, and not less than four feet for the larger sorts; set plants in single rows not over six inches apart in the trench. Transplanting is done about the middle of June for the first early, and as late as the middle of August for the latest. Keep well cultivated, and in about six weeks "huddling" should begin (never do this when wet from rain or dew). This is done to make the celery grow upright. The soil is drawn to the row from each side with an ordinary hoe. Now take all the leaves of the plant in one hand and with the other draw the soil around it, pressing firmly, being careful that no soil gets between the leaves, as it is apt to cause rust, or rot the plant. In about two weeks, or as often as it is necessary to keep the leaves in an upright position, more soil should be drawn to the row. For fuller and more complete directions send for our celery book; see page 20.

One ounce of seed produces about 2000 plants.



Selected White Plume Celery.

## Selected White Plume Celery

Early, Handsome, of Good Flavor and Fine Texture. More Largely Grown than All Other Varieties Combined.

Our strain White Plume Celery is becoming more popular every year on account of the extreme care we use in selecting stock seed, thus enabling us to offer you this season a very superior strain. It is almost self-blanching; naturally its stalks and portions of the inner leaves and heart are so white that by closing the stalks, either by tying or simply drawing the soil up against the plant and pressing it together, the work of blanching is completed. In appearance it is very ornamental. It is unsurpassed for fall and early winter use. It is a good keeper up to the holiday season; but for later use we would advise growing some of the more hardy kinds. WE HAVE MADE A SPECIALTY OF WHITE PLUME EVER SINCE ITS INTRODUCTION, AND ARE SUPPLYING MANY OF THE LARGEST GROWERS THROUGHOUT THE COUNTRY. WE KNOW OUR SEED OF THIS VARIETY IS NOT EXCELLED IN QUALITY AND PURITY. **Selected White Plume—Pkt., 5c; LARGER PKT., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., \$2.00.**

**Golden Self-Blanching** FOR EARLY USE preferred by many to all other sorts; as self-blanching as White Plume, and simply needs a slight earthing up. The entire plant is an attractive yellowish-green, and as it approaches maturity the inner stems and leaves become a beautiful waxy golden color. Grows to good size, very tender, crisp and solid. Invaluable to the gardener and exceedingly popular with every planter. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., \$3.25.**

**Perle Le Grand** The New Perle Le Grand is handsome, stocky and robust, and its close habit is always admired. Its beautiful, full golden heart and rich nutty flavor is unsurpassed by any other variety. It is a good early Celery, being among the first fit for use, and remains, when properly trenched, in perfect condition away into the spring. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

**New Rose** The red and pink celeries have been deservedly gaining in popular favor for several years, because they are hardier, and better keepers than the yellow and white sorts, making it an attractive ornament to the dinner table, the heart and stem being shaded to a fine rose color. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., \$2.00.**

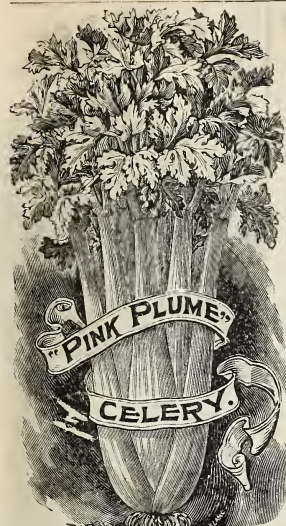


Golden  
Self  
Blanching  
Celery

FROM A CELERY GROWER.

GEORGE T. ROBINSON, Talbot Co., Md., says: "I wish to add my testimonial for your White Plume Celery. I have been raising White Plume for ten years and have never seen any to equal yours in perfection of color. Also it is free from green stalks, is of good height and blanches easily. It cannot be excelled."





GOLDEN ROSE CELERY.

**Pink Plume** Practically identical with White Plume, excepting that the stalks are suffused with PINK, and possessing the crispness, rich nutty flavor and long keeping qualities peculiar to red sorts. The appearance is extremely attractive, and the quality simply perfect. The habit of growth is strong and vigorous. Its self-blanching qualities are the same as White Plume. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Giant Pascal** A green leaved variety which developed from the Golden Self-Blanching, retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanching stalks. It is unequalled for rich, nutty flavor. Branches very easily and is very brittle. A fine keeper, an excellent shipper, retaining color and fresh appearance as long as any other. A favorite with Southern growers. For midwinter and early spring it is excellent. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**New Triumph**, A New Celery. Splendid Long-Keeping Sort. Extra Fine Flavor. Late variety of real merit. Healthy, strong grower, stalks very white, crisp, tender and brittle. We recommend it as worthy a first place among late varieties. Pkt., 5c.; oz., 20c.;  $\frac{1}{2}$  oz., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Dwarf Golden Heart** A distinct variety of sturdy dwarf habit. It is solid, an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is a light yellow, making a showy and desirable variety for either market or private use. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**Giant Golden Heart** Produced by careful selection and high culture from Dwarf Golden Heart, by one of the best celery growers in the country. In quality, appearance and LARGE SIZE it is unsurpassed. ONE OF THE BEST LATE VARIETIES FOR THE MARKET GARDENER, while its fine flavor and rich color make it desirable for private use. Very hardy. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$1.75.

**Kalamazoo**—The most perfect type of Dwarf Celery known. It is distinct, and of a beautiful cream-white color; attains large size; of quick growth; stiff, close habit, outer ribs standing straight. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**Boston Market**—Vigorous grower; very branching; excellent keeper; remarkably tender, crisp and solid. Best variety for light soils; late keeper. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.40.

## New Golden Rose (Rose Ribbed Golden Self-Blanching)

—It is a sport from the Golden Self-Blanching, having the same rich, golden-yellow color, in the main, greatly enhanced in beauty by the delicate rose hue of the ribs. On account of this combination of color, it is called by some "Rose Ribbed Golden Self-Blanching." A strong and healthy grower, and its self-blanching character well fixed. Plant dwarf and heavy, stalks smooth, free from ridges, solid and crisp. Very early, good keeper. BLANCHES NATURALLY. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.25.

**Giant White Solid**—Large size; tall and of stiff growth; white and crisp. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.40.

**Dwarf White Solid**—Dwarf, white, close habit; solid, crisp and juicy. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**Flavoring Celery (Old Seed)**—Used for flavoring soups, pickles, etc. Postpaid—Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c. By Express (at buyer's expense)—Lb., 30c.; 4 lbs., \$1.00; 10 lbs., \$2.00.

**JOHN A. H. Crytzer, Pa.**, March 24, 1900: Your seeds are the very best. I have been getting your Celery and Onion seeds for 4 or 5 years. Last year I raised 20,000 celery and did not have 20 hollow plants. We have splendid success with your Prize Taker onion each year. We have many that measure 16 to 17 inches in circumference.

**Celery Plants** Ready about June 1st. Apply for our vegetable Plant List, which is mailed free as soon as issued in mid-summer. Write us for prices, whether you want 100 or 100,000 plants.

## Celeriac. Turnip-Rooted Celery.

Sow seed same way Celery seed is sown. Transplant in rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as salad.

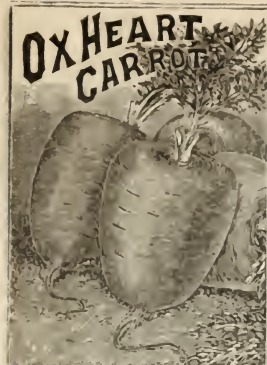
**Apple-Shaped**—An early, smooth variety. Roots shaped like an apple; good flavor. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Giant Smooth Prague**—A very large and smooth variety, free from side roots. A desirable sort for market, and an excellent keeper. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.60.

## Livingston's Celery Book. Illustrated. 100 Pages.

Written expressly for us by Mr. E. J. HOLLISTER, who has been the most extensive practical Celery Grower and Shipper in the United States for the past twenty years. He has grown extensive crops in Canada, Michigan, Ohio and Florida. The work is fully up-to-date on all essential points and is a COMPLETE GUIDE FOR THE CELERY GROWERS. Paper Cover, 40 cents. Cloth Bound, 60 cents.

**The Book Free.** With an order for Celery Seed amounting to \$3.00, or Cloth Bound with \$4.50 Celery order. A general order for other seeds amounting to \$4.00 secures a paper cover, or \$6.00 order the cloth bound, providing customers request it at time of ordering.



# CARROT

The CARROT, like other root crops, flourishes best in a well-enriched sandy soil, deeply tilled, and it plowed the fall before all the better. Sow in early spring in drills 15 to 18 inches apart, usually thinning plants to 3 or 4 inches, keep clean by frequent hoeing and weeding. If neglected the young plants are easily smothered, and the crop is lost. Seed slow to germinate; brown early or on moist soil half an inch deep enough to cover seed. One ounce sows 150 feet of drill. 4 pounds sows an acre.

**Chantenay**—One of the best for home or market garden. Deep red flesh, fine grained and sugary make it an excellent sort for table use; stump-rooted; always smooth; very early and productive. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 25c.; lb., 70c.

**Livingston's Early Market Carrot**—Stump-rooted, grows about the size of our Cincinnati Market Kaiish, excellent forcer, fine flavor; flesh deep orange; fine grained. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 25c.; lb., 80c.



**Oxheart, or Guerande**—Intermediate length; fully 3 to 5 inches in diameter; quality extra good. Other sorts require digging: Oxheart can be easily pulled. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 70c.

**Intermediate Red**—Excellent new English sort. Smooth, and nearly the Danvers in size. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Early Scarlet Short Horn**—Stump-rooted; popular for forcing and early outside sowing. Flesh deep orange, fine grained; agreeable flavor; small top. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 60c.

**Nantes' Early Half-Long Scarlet**—Stump-rooted, sweet, fine flavored; almost without a core; very fine grained; excellent for home garden or market. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 55c.

**Improved Long Orange**—A standard late variety, handsome and uniform in shape; deep orange color; good flavor; yields heavily. Requires deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain full size. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 20c.; lb., 50c.

**Belgian Carrots** The great stock food of Europe. Enormously productive; nutritious and splendid keepers. **Large Orange Belgian**—Long White Green Top—Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 40c.

Ohio Grown Seed Sweet Corn is Unexcelled by either Eastern or Western Grown Stocks.

# Sweet Corn.

French—*Maiz*.  
German—*Welschkorn*.  
Spanish—*Maiz*.

The Sweet, or Sugar Corn, varieties being liable to rot in cold or wet ground, should not be planted until May, or when the ground has become warm, and for a succession plant every ten days or two weeks until the last week of July. In hills 2x3 feet for the early kinds, and 3x3 feet for the large late kinds. Some plant in drills 3 $\frac{1}{2}$  feet apart and 8 inches in the row. Give frequent and thorough cultivation. One quart plants 200 to 300 hills. 8 or 10 quarts for an acre.

**Kendel's Early Giant Sweet Corn** This is not a mere novelty, but is of real merit. Ears large, measuring from 8 to 10 inches long, having 10 to 12 rows on each cob; kernels pure white, sweet and tender. Gardeners report this corn ready to use in 60 days grown on sand, and 72 days on heavy clay. Dealers and truckers report ready sales, and are enthusiastic over its earliness, large size and productiveness. The most popular corn we sold last season. POSTPAID—Pkt., 10c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 35c.; 2 qts., 65c. BY EXPRESS—Qt., 20c.; 4 qts., 65c.; pk., \$1.00; bus., \$3.00.

**Extra Early Cory**—One of the earliest known. Large ear, considering size of stock, small cob well-filled with handsome grains. Pkt., 5c.; pint, 20c.; qt., 35c.; pk., 90c.; bus., \$3.00.

**HANCE'S EARLY**—INTRODUCED BY US IN 1895. Handsome, long, shapely ears, a small cob well-filled with broad white showy kernels. Habit of growth strong, but not tall, comes into market closely after first early kinds. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.75.

**Extra Early Adams**—Hardest and earliest corn known. It is not a Sugar Corn, but on account of its being largely sold for table use we class it among the Sugar Corns. Ear short; grain white. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 70c.; bus., \$2.25.

**Early Minnesota**—One of the earliest; esteemed for its excellent qualities. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.50.

**First-of-All**—A selection from the Cory; of good quality; tender and sweet. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 90c.; bus., \$3.00.

**White Cory**—Identical with Extra Early Cory, except color; kernels and cob white. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 90c.; bus., \$3.00.

**Early Adams**—Similar to Extra Early Adams; larger, but not so early. Often used for the table, particularly in the Southern States. Also a splendid corn to grow for early feeding purposes. Pkt., 5c.; pint, 20c.; quart, 35c.; peck, 70c.; bus., \$2.25.

Our Quart and Pint Prices include Postage.

If to go by Express at buyer's expense, deduct 15c. from quart or 8c. from pint prices quoted above.

HALF-PINTS, mailed postpaid, 10 cts., unless otherwise quoted.



**KENDEL'S  
EARLY GIANT.**



**Livingston's Evergreen Sugar Corn** (White Cob)—We worked industriously fifteen seasons to produce this corn. To make a long story short, it is simply our old Livingston's Evergreen with a white cob. The new White Cob strain lacks not one of the good qualities of the older sort from which it sprung, and we believe it will be endorsed by every corn grower, whether for home or market. Pkt., 5c.; pint, 20c.; qt., 35c.; pk., 90c.; bus., \$5.00; 2 bus., \$5.75.

**Livingston's Evergreen Sugar Corn** (Red Cob)—This variety we introduced in 1860, and it is now a general favorite with marketmen throughout the United States. It is a first-class second early corn, and can be planted here as late as the first week in July. It is very productive; has large, well filled ears, with broad kernels and very small cob, filled well over the tip; very sweet (none sweeter). Out-sells in this market every other variety. A good cropper, grows only 6 or 7 feet high, and, maturing early, makes a very profitable food crop for hogs, milch cows and other stock when early feeding is desired and at a time when other feed is short. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.50; 2 bus. for \$4.75.

**Livingston's Silver Coin** Introduced by us in 1894. It certainly excels in two very important points, productiveness and quality. It has a larger and more uniform ear than the well known Stowell's Evergreen, is fully as early and much more productive. It is strictly an evergreen; in remaining long in edible condition; is admitted to be the most "everlastingly evergreen" of all sweet corns. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 80c.; bus., \$3.00; 2 bus. for \$5.50.

**Columbus Market** The New Columbus Market comes into market with the second earlies, such as Pee and Kay, Shaker's Early, etc., but is fully twice as large as any of them. The ears carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are second to none in tenderness and flavor. The stalk is very strong, sturdy, and of only medium height, the leaves broad and dark green in color; a habit of growth which gives it great endurance during a dry time. Customers are surprised at its large size and early maturity. Pkt., 5c.; pint, 20c.; qt., 35c.; pk., 90c.; bus., \$3.00.

**Burlington Hybrid** Is not a pure Sweet Corn, but in quality is better than the Adams Corns, and its size and appearance ahead of any Sweet Corn of its season. It combines earliness with good quality. Very productive. Has a husk similar to sweet corn. No progressive gardener should fail to grow this corn. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 80c.; bus., \$2.75.

**Shaker's Early**—A splendid market sort, ready very soon after Early Minnesota, but the ears are much larger. Pkt., 5c.; pint, 20c.; qt., 35c.; pk., 75c.; bus., \$2.75.

**Pee-and-Kay**—Only a few days behind the earliest. Has an ear about the size of Evergreen. Pkt., 5c.; pint, 20c.; qt., 35c.; pk., 75c.; bus., \$2.75.

**Mammoth Sugar**—Produces larger ears than any other sweet corn. Pkt., 5c.; pint, 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

**STOWELL'S EVERGREEN**—Choice home grown stock. A favorite with canners and market gardeners for late use. Ears large, kernels very deep, tender and sugary; very productive. Remains a long time fit for table use. Pkt., 5c.; pint, 20c.; quart, 35c.; peck, 70c.; bus., \$2.50.

**Egyptian Sweet**—One of the best late varieties, and very handsome. Ears large, none more uniform, and excels all in filling out perfectly at the tip end: cob and grain white; very productive. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.50.

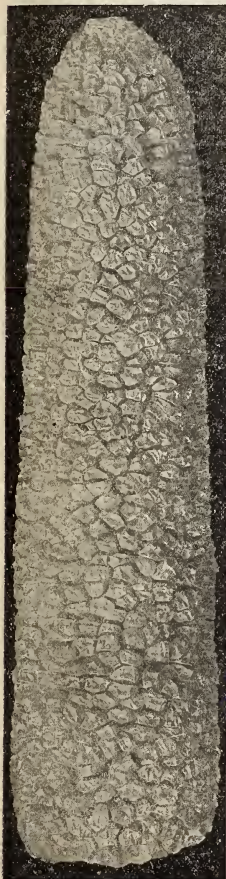
**SWEET CORN FOR FODDER**—Sow thickly in drills, or broadcast, at the rate of 2 or 3 bushels per acre. Peck, 50c.;  $\frac{1}{2}$  bus., 75c.; bus., \$1.50; bag of 2  $\frac{1}{2}$  bus., \$3.00; 2 bags, \$5.50; 4 bags, \$10.00. No charge for bags.

**FIELD AND POP CORN**—See Farm Seed Department.

**Country Gentleman Sweet Corn** Extra Selected Stock. Medium Late. The illustration, reduced in size, is an exact reproduction of an ear of our extra selected seed, which, by careful selection and painstaking effort on our part, has developed in size and quality to a point unequalled by any other stock of this variety in the country. As a table corn this variety stands unrivalled, and without doubt is the most delicious of all sweet corns. The plump pearly white kernels are of great depth, most delicious, and the flavor will delight the epicure. The ears are just the size to be attractive on the table, have very small cob, and, owing to the heavy husk protection, retain their delicious tenderness beyond the usual period. Pkt., 5c.; pint, 20c.; qt., 35c. BY EXPRESS—Peck, 80c.; bushel, \$2.75.



Columbus Market Sweet Corn.



Country Gentleman Sweet Corn.

# Dandelion.

the size of the common Dandelion. A great advance over the old variety. Pkt., 5c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

LIVINGSTON'S  
MAMMOTH  
PURPLE  
EGG PLANT



**Early Long Purple**—Hardier and earlier than New York Purple, succeeding further north. Fruit six to nine inches long. Dark purple, good quality. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$2.00.

**New Pearl White**—The plant is a large, vigorous grower, and comparatively free from thorns. Fruit pure creamy white, with slight shading of a very light green near the stem; beautiful in shape, resembling somewhat the purple variety. In eating quality it is very delicious, fine grain and well flavored. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.50.

# Endive.

Its leaves make a splendid salad when properly blanched, and one that is very useful, as it comes in after lettuce is gone. It may be grown at any season, but is usually grown for use late in the fall. For an early crop, sow in April, in drills 15 inches apart, and later thin to 12 inches apart in the row. It can also be sown in beds and transplanted to above distance after attaining sufficient size. The main sowings are made in June and July. Ordinary good soil and cultivation are all it requires. When nearly full grown it is blanched in the following manner: Gather up the leaves and tie them by their tips in a conical form, thereby excluding the light and air from their inner leaves, which then blanch to a beautiful yellowish-white. This process takes two to five weeks, according to the temperature, blanching faster in warm weather. Another method is to lay clean boards over the plants, which exclude the light and air. The tip at different times, as it only keeps a short time after blanching. For winter use take up with earth and store in frames or a dry cellar. One ounce of seed sows 100 feet of drill.



Ever White Curled Endive.

**EVER WHITE CURLED**—The most beautiful variety. Plants moderately dense; leaves coarser than those of the Green Curled, but the mid-rib is yellow and the leaves frequently almost white; plants very attractive, and always bring the highest prices on the market. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**GREEN CURLED**—The hardest variety, and very desirable for the home and market garden. The deep green leaves are beautifully cut and deeply blanching, and become very crisp, tender and fine flavored. Pkt., 5c; oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**LARGE GREEN CURLED**—A large, coarse, strong growing variety, which, by tying up, can be made to form finely blanching centers of good quality. Outer leaves well cut, and bright, deep green. Pkt., 5c; oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**MOSS CURLED**—A beautiful curled variety somewhat resembling moss; dark green color; quality fine. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**BROAD LEAVED BATAVION**—The broad, thick, slightly wrinkled leaves form a large head which is preferred for stews and soups, and if the leaves are gathered and tied at the top they will blanch nicely and make an excellent salad. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

# Egg Plant.

French—*Aubergine*,  
German—*Eggpf.*,  
Spanish—*Berconita*.

The Egg Plant should be more generally grown, for when well grown and properly cooked is a most delicious vegetable. The seeds germinate slowly and should be started in flats or boxes in a strong, uniform heat, and kept constantly growing, because the young plants seldom recover if checked in their growth. Sow the seed in hot-beds or warm greenhouse in March or early April; if no hot-bed is at hand they may be grown in any light room where the temperature will average 75 degrees. When the plants are two inches high, or have formed two rough leaves, transplant them in beds three or four inches apart. Keep the bed closed and very warm, shading from the direct rays of the sun, giving an abundance of water until the ground is warm and all danger from frost and cold nights is past, then harden the plants by gradual exposure to the sun and air, and increase the supply of water; transplant to the open ground late in May or June into warm, rich soil, two to three feet apart each way, according to the richness of the soil. When about a foot high draw the earth up to the stems. Care should be used in cutting the fruit so as not to disturb the roots of the plants.

## Livingston's Mammoth Purple.

SPINELESS. NORTHERN GROWN.

This splendid variety we obtained by careful selection and extra cultivation, beginning with a true strain of New York Improved Large Purple. The process of improvement was carried on for years, until we now have the finest strain of Mammoth Egg Plant of which we have any knowledge. While immense size was one of the main objects, we did not lose sight of other valuable points essential in a first-class market variety. It is quite early for such a large sort and a sure cropper. Plant large, vigorous and productive. Fruit very uniform in color and shape; very large, usually 7 to 9 inches in diameter, but sometimes specimens are grown measuring 10 inches. Skin a handsome dark purple, smooth and glossy. Flesh white, of superb quality. We pronounce it the best Egg Plant in cultivation—no exception. It is very important that growers have the best seed and variety obtainable, for if poorly grown, irregular in shape or green in color, they are quite unsalable, and your time and money are wasted. **Selected Seed**, postpaid—Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.25.

**New York Improved Large Purple**—The leading variety known by marketeers everywhere; fruit large, smooth, deep purple; flesh white, good quality. The stock we offer is fine New Jersey grown. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**Black Pekin**—The fruit is very dark purple, almost black, nearly round, large size, smooth and glossy; flesh white, fine grained, delicate flavor; matures early. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.



Large Green Curled Endive.

Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.35.



# Gourds.

Reticities will be found useful for many purposes, besides being very ornamental and serviceable as climbers.

**For Ornamental Gourds see Flower Seed List.**

**Dipper Gourd**—Can be used for dippers, the handles being from 9 to 12 inches long, and they hold from a pint to two quarts. When grown on the ground the handles will be curved, as in the engraving, but if grown on a trellis, or a tree their weight will cause them to grow straight. Very convenient for hot liquids, as the handle does not heat through readily. Easily prepared and last for years. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**Hercules Club Gourd**—Green fruits, 2 to 6 feet long. Pkt., 5c. **Sugar Trough, or Sap Bucket—Selected Stock**—Grows to a large size, holds from 4 to 10 gallons, having hard, thick shells, which are very strong, light and durable, lasting for years. Used for a variety of purposes, such as buckets, soap and salt dishes, nest boxes, etc., and have been used for packing lard. Are as easily grown as pumpkins. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c.



Hercules Club Gourd.

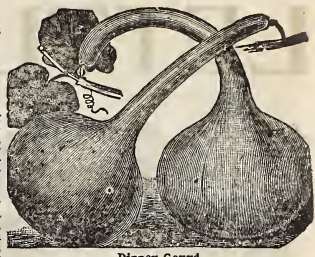
**Bath Sponge, Dish Cloth or Japanese Luffa Gourd**—A natural dish cloth and a most admirable one, is furnished by the peculiar lining of this fruit, which is sponge-like, porous, very tough, elastic and durable. Many ladies prefer this dish cloth to any other. Grows about 2 feet in length; vine is very ornamental, producing clusters of large yellow blossoms, in pleasing contrast with the silvery shaded, dark-green foliage. In the North should be started very early in hot-beds or otherwise. Pkt., 5c; oz., 40c.



Fruit of Dish Cloth Gourd.



Sugar Trough Gourd.



Dipper Gourd.

**NEST EGG Gourd—Japanese Nest Egg**—Resemble a hen's egg in color, shape and size. They do not crack, are not injured by cold or wet, and make the best nest eggs. As the plant is a rapid growing climber it is very useful in covering screens, etc., being quite ornamental. We have a very pure stock of this variety to offer and can recommend it. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00.



THE NEST EGG GOURD

We sell one packet each of the above Gourds for only 20 cents, prepaid.

**Garlic.** German—Knoblauch. Prepare the ground as for onions; plant bulbs in early spring, in drills 12 inches apart, 4 inches in the row, cover 2 inches deep. **Bulbs** (postpaid), oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 30c. By express (not paid), lb., 20c; 3 lbs., 50c; 10 lbs., \$1.40.

**Gherkins.** West India Gherkin—(True)—Also known as Jerusalem Pickle—Very small, oval, prickly variety, quite distinct from all others. Grown exclusively for pickling; smallest of all the varieties of cucumber; always pick when young and tender. Seed slow to germinate, requiring sometimes ten to twelve days. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**Herbs.** Herbs in general delight in a rich, mellow soil. Sow the seeds early in spring in shallow drills, one foot apart; when up a few inches thin out to proper distance or transplant. Care should be taken to harvest them properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack close in bottles or dry boxes to exclude the air entirely. Varieties with an \* are perennials.

Pkt. oz.	Pkt. oz.
Anise..... 5 15	*Lavender..... 5 15
*Balm..... 5 20	*Pennyroyal..... 10
Beet..... 5 15	Pot Marigold..... 5 30
Boragin..... 5 15	*Rue..... 5 15
*Caraway..... 5 10	Saffron..... 5 10
Catnip or Catmint..... 5 35	Sage-lb. \$1.75; 4 ozs. 50c..... 5 15
Coriander..... 5 10	Summer Savory..... 5 10
Cress..... 5 10	*Sweet Marjoram..... 5 15
Dill..... 5 10	*Tarragon..... 10
Fennel..... 5 10	*Thyme..... 5 20
*Horseradish..... 5 25	*Winter Savory..... 5 20
Hyssop..... 5 25	*Wormwood..... 5 15



## Horse Radish.

The best Horse Radish is produced from small pieces of roots four or five inches in length. These small roots will produce good Radish fit for use in one season's growth. Plant the set small end down, where the slanting cut is, so that the top will be two inches under the soil. The soil should be very rich and well cultivated. It is hardy and may be left in the ground until spring before digging. A part of the crop may be pitted late in the fall if desired. A dozen roots will give all that will be needed for family use; as it constantly increases, it is best to plant it in some out-of-the-way corner of the garden. A very profitable crop for market gardeners to grow. By mail (postpaid), 5 cents each; dozen, 25c; 50 for 60c, 100 for 90c. By express (not paid), 100 for 75c; 300 for \$2.00; 500 for \$3.00.

Prices for 1,000 and upwards given on application.

## Kale.

German—Blatter Kohl. French—Chou Vert. Spanish—Berton.

Borcole, Kale, or German Greens, are general terms applied to those classes of cabbage which do not form heads, but furnish an abundance of pretty curled leaves that are very ornamental and highly prized as food. Some of the varieties are the most tender and delicate of the cabbage family, and would be much more extensively grown if their excellent qualities were generally known. Can be grown in almost any soil, but the rich soil is the better the product.



Dwarf German Curled Kale.

of April to the beginning of May like cabbage; transplanted and cultivated the same as cabbage. They are more hardy than cabbage, and will endure considerable frost without injury.

**Dwarf Green Scotch Curled**—Is very dwarf and spreading. The leaves are beautifully curled and of a bright green. Hardy; will remain over winter in any place where the temperature does not fall below zero. A decided improvement upon the old tall Scotch. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

**Half Dwarf Moss Curled**—A particularly fine variety possessing all the merits of both the tall and dwarf kinds; of compact, bushy growth; the foliage is light green and toward the center yellowish green. The edges of the leaves are so beautifully crimped that it resembles fine curled Parsley, and can be used for garnishing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**Siberian Kale, German Greens, or "Sprouts"**—Extensively grown as winter greens; sow in September in rows one foot apart, and treat in every way as Spinach. It is very hardy and is ready for use in early spring. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**German Dwarf Purple**—A dwarf, compact plant composed of a mass of large, finely frilled leaves of a deep purple color. Tender and of excellent quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**SPECIAL PRICES MADE FOR ANY LARGE QUANTITY.**

## Kohl Rabi.

Turnip Rooted Cabbage.

German—Kohlrabi. French—Chou Rabe. Spanish—Caida Nabo.

When young and tender they are fine for table use; when matured they keep well and are excellent for feeding stock. For early use sow in hot-bed, transplant and cultivate like early cabbage. For winter use sow the middle of June or first of July, in rows 18 inches apart, transplanting or thinning out to 8 inches in the row.

**Earliest White Vienna**—Smooth, short leaf, excellent for forcing, and of fine quality. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**Early Purple Vienna**—Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.10.



Kohl Rabi.

# LETTUCE

German—*Lattich Salat.*French—*Laitue.*

The most used of all salads, is of easy culture, requires rich, moist soil, and clean cultivation, on which depends its appearance, tenderness and flavor. For early spring use, sow in a seed bed in September or October, and protect through the winter in cold frames, or in the South with leaves or litter, or sow in a hot-bed in early spring; as soon as the ground can be well worked transplant in good rich ground to rows 18 inches apart and 8 inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. Sow in drills  $\frac{1}{2}$ -inch deep, 18 inches apart, and thin to 12 inches apart in the rows.

One ounce of seed makes 2,500 plants.

**Our Improved Hanson**—None more reliable for outdoor cultivation. In ground well manured and cultivated the heads grow to a remarkable size, resembling that of a flat cabbage, and so slow to run to seed that it often fails to form a seed stalk. The outer leaves are bright green, the inner leaves white and deliciously sweet, tender and crisp, and free from any unpleasant bitter taste. The stock we offer is the same as that sold by us for many years, and from the fact that we never get any complaints from it we therefore judge it is unsurpassed and gives entire satisfaction. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

**Early White Cabbage**—This OLD RELIABLE variety is very tender, has large, solid, greenish-white heads, and stands the heat extremely well. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Black-Seeded Butter**—An out-door variety. Excellent in flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Golden Yellow Stonehead**—A variety of great beauty. Solid heads. Good for forcing or earliest spring crop. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.00.

**Tennis Ball**—Close, hard, well formed heads. Leaves green, thick, crisp and tender. One of the earliest, extremely hardy, and well adapted both for forcing and outdoor culture. Either White or Black Seed, each, Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Mammoth Marblehead**—The largest header of any. As large as a good cabbage. Tender and free from any bitterness. Second early. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.40.

**GRAND RAPIDS**—While this variety is ESPECIALLY ADAPTED FOR GREENHOUSE CULTURE in winter; it is also a GOOD LETTUCE to sow outside early FOR FAMILY USE. It is the result of fifteen years' selection from the Black-Seeded Simpson, which is generally recognized as the standard for forcing for the home market. It is superior to and more beautiful in appearance than the Simpson. It is of rapid, upright growth; may be planted close; not liable to rot, standing several days after being ready to cut without injury; retains its freshness a long time after being cut, hence much sought after by dealers, especially shippers; its quality is very desirable. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Tilton's White Star**—A favorite with gardeners for forcing or outdoor planting; bright color, crisp, long keeper. Pkt. 5c.; oz. 15c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Buttercup**—Plant very distinct and attractive; leaves a beautiful yellow color; very sweet and tender. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.



GRAND RAPIDS LETTUCE.



**NEW CELERY LETTUCE (TRIANON)**—The favorite class of Lettuce in Europe are the Cos or blanching varieties, and this variety is the finest of its class. The Cos varieties are becoming more popular in this country every year. The long, narrow leaves, which form solid heads, almost like a Wakefield Cabbage, bleach and quickly become snowy white. Excels all others in quality; crispness unequalled. The leaves, when blanched are stiff like celery, and can be eaten in same manner. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**ICEBERG**—A BEAUTIFUL LETTUCE WORTHY OF UNIVERSAL CULTIVATION. THE QUALITY IS SIMPLY PERFECT. Large curly leaves of bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curve to the center, making it impossible for the leaves to open outward and expose the center which is constantly thoroughly blanched. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.



ICEBERG LETTUCE.



# Lettuce

**Big Boston**—Resembles the popular Boston Market, but is nearly twice as large. A most desirable variety for forcing in cold frames, and for outdoor planting. Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 40c.; lb., \$1.25.

**Black Seeded Simpson (Curled)**—A very popular sort among market gardeners everywhere. Forms a large, loose head; its nearly white, curly leaves are large, thin, exceedingly tender and of very good quality; one of the very best sorts for growing under glass, as well as for early outside planting. Fine for home market, but not so desirable for shipping as Grand Rapids. Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 35c.; lb., \$1.00.

**Silver Ball**—One of the best ALL THE YEAR ROUND Lettuce. A variety of excellent quality; good for early spring, summer or winter forcing; heads SILVER WHITE, compact, with beautifully curled leaves. Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 40c.; lb., \$1.25.

**Defiance Summer (Perpignan)**—Claimed by many to be A BETTER LETTUCE THAN HANSON. It is certainly unequalled for long standing, and one of the finest large-growing cabbage varieties. It forms very large solid heads, so firm that they have to be cut open to allow the flower heads to come through when it is desired to have them go to seed. The leaves are a beautiful light green. Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 40c.; lb., \$1.00.

**Blonde Beauty (Sunset)**—Resists heat; is tender, crisp, sweet and juicy when many sorts have become tough and bitter. Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 40c.; lb., \$1.25.

**Early Curled Simpson**—Does not head, but forms a compact mass of curly leaves of a yellowish-green. It matures earlier than the firm head sorts, hence is very generally grown in cold frames as an early outside crop. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., \$1.00.

**CALIFORNIA CREAM BUTTER**—Grand, good butter Lettuce. Heads of good size, round and solid, outside medium green, within the leaves are a rich creamy-yellow color; rich and buttery in taste. Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 40c.; lb., \$1.25.

**Philadelphia Butter, or Early White Head**—A lettuce having thick, smooth leaves, formed into a very solid, round head; stands a long time without running to seed. The inner leaves blanch a rich yellow; quality first-class. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., \$1.00.

**"Crisp-as-Ice" Lettuce** (INTRODUCED BY US IN 1895). A most beautiful, attractive lettuce of the cabbage type.

The heads are solid, of immense size when well grown and so exceedingly tender and brittle as to fully warrant the name, "CRISP-AS-ICE." The glossy leaves are thick, nicely crimped and curled; outside they are beautifully variegated with dark bronze and green. The heads, when cut open, have a rich creamy-yellow heart. An exceedingly superior family and home market lettuce. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; oz., 20c.;  $\frac{1}{2}$  lb., 75c.; lb., \$2.50.



Philadelphia Butter Lettuce.

We can also supply the following well-known Lettuces. PRICE OF EACH, postpaid—Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 40c.; lb., \$1.25.  
Salamander, Curled Silesia, Ferry's Prize Head, Denver Market, Tomhannock, Boston Market, Oak Leaf, Yellow Seeded Butter.



Big Boston Lettuce.



Crisp-as-Ice Lettuce.

# Leek

Leeks can be cultivated either by sowing early in the spring in a seed bed and transplanting, or by sowing outside. If sown in a seed bed, when about 6 inches high transplant into deep, rich soil, 5 inches apart; plant deeply, close to their leaves, so that the necks may become blanched. A good watering at time of transplanting is very beneficial. If sown outside, sow early in the spring in rows about 18 inches apart; when 4 inches high thin to 4 inches apart. Transplanted plants always produce larger and earlier Leeks.

**Broad Scotch, or London Flag**—The hardy kind; large, strong plants with broad leaves. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., \$1.00.

**Large Musselberg (Carentan, or Scotch Champion)**—A favorite market sort of enormous size; large, broad leaves; flavor very mild and pleasant. Pkt., 5c.; oz., 15c.;  $\frac{1}{2}$  lb., 40c.; lb., \$1.50.

# Muskmelon.

French—Mélone.

German—Mélon.

Spanish—Mélon.

A rich, sandy soil is most desirable for melons. The seed should be planted when the ground has become warm, in hills six feet apart each way. Old well-rotted manure should be thoroughly mixed with the soil in each hill; put 6 to 10 seeds in the hill; finally, when danger from insects is past, leave 3 or 4 of the strongest plants only. If plants grow very rank the tips of the leading shoots should be pinched off when about 3 feet long. One ounce of seed for 60 hills; 2 or 3 pounds for an acre.



**Rose  
Gems**



## The Celebrated Rose Gem Muskmelon

Named and Introduced  
by us in 1896.

Called by some  
**Rocky Fords.**  
**Dewey Gems.**

The illustration is a reproduction of a photograph of this Improved Netted Gem Melon. The shape, more oval than the original strain, which gives them additional strength to stand shipping. The size has also been improved without losing a day in earliness. The ORIGINAL GEM in the past 18 years has never been as popular as the ROSE GEM, which has become famous all over the U. S. in 4 years. We regard it the very best and most profitable extra early melon in existence for market gardeners and shippers. In the hands of Rocky Ford, Col., growers it has made that state famous in eastern markets for melons of unequalled quality. The beautiful green flesh is fine grained, "smooth as butter" and very sweet. Pkt. 5c; oz., 10c.; 1 lb., 30c.; 1 lb., 90c.; 3 lbs., \$2.50.

**Rocky Fords** This name is applied by shippers to our New Rose Gem which has become very popular in the last few years. Read description of our **New Rose Gem** at top of this page.

### PLANTED 10 POUNDS.

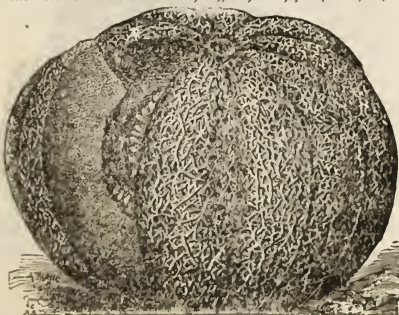
J. W. DAY, Crystal Springs, Miss., March 30, 1898—"I planted 10 pounds of your 'Rose Gems' last year and did not find a spot of any kind, and this is saying a good deal."

### WANTS 10 TO 20 POUNDS.

A. J. Wyche, Fla.—"Can you sell me 10 to 20 pounds of your 'Rose Gem' melon seed? I planted some of them the past season and found them extra fine."

**Hackensack**—(Turk's Cap)—A General Crop Melon. It is round, well netted, and of large size; flesh green and thick; delicious flavor; beautiful in appearance. Very popular the country over. Pkt., 5c.; oz., 10c.; 1 lb., 20c.; lb., 65c.

**Emerald Gem**—Medium size; nearly round; flesh a delicate light salmon color, very thick, fine grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Pkt., 5c.; oz., 10c.; 1 lb., 20c.; lb., 55c.



## Extra Early Hackensack Melon

It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light-green flesh of delicious flavor. Its shape and solidity admit of its being packed very closely in crates for shipment, and it will keep in good condition for several days after picking. The seeds do not shake loose en route, as in many other sorts. Pkt., 5c.; oz., 10c.; 1 lb., 25c.; lb., 60c.; 3 lbs., \$1.75.

JOE L. NELSON, Tenn.—"I think the 'Rose Gem' is one of the best melons on the market. I would not think of planting other kinds."



## Livingston's Market Melon

Many years were spent in perfecting this decidedly distinct and beautiful melon. A most valuable characteristic is its close, strong netting. Its vigorous growth gives it great hardiness and ability to withstand drouth, blight and bugs. Its beautiful shape and handsome appearance are remarked upon when placed side by side on the market bench or counter with any of the popular sorts of the day. It ripens only a few days after Early Hackensack, is more prolific, more uniform, bears longer, and the fruit is more solid; seldom bursts at blossom end; flavor and quality are all that can be desired. It is green fleshed, with small seed cavity. A valuable sort for a general crop. Pkt., 5c.; oz., 10c.; 1 lb., 25c.; lb., 80c.; 3 lbs., \$2.25, postpaid.

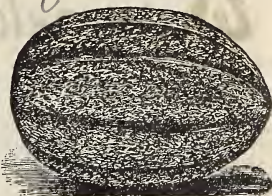




Kinsman Queen Muskmelon.

**Baltimore Nutmeg—Cantaloupe**—(ORIGINATOR'S STOCK.)—Has a beautiful heavily netted green skin; good size; in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and sweet; very productive, and NEVER BURSTS OPEN AT BLOSSOM END. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 55c.; 3 lb., \$1.50.

**KINSMAN QUEEN**—"A cross between the 'Emerald Gem' and an old variety of large size and excellent quality. It is among the first to ripen, and is very large in size for an early melon. Will average three times as large as the 'Emerald Gem.' Nearly round in shape. Color, yellowish-green outside, and is slightly ribbed and netted; flesh deep salmon color, juicy and delicious." Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



Improved Acme or Baltimore Nutmeg.

**THE COLUMBUS**—A GREEN FLESHED melon for general crops, and is a heavy yielder. The vines are strong and thrifty; melons, if left on the vine a week after they are ready to pick, still retain their good quality. Its beautiful buff skin is covered with a very thick whitish netting. Almost entirely free from ribs. Can be shipped long distances. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 65c.

**Long Island Beauty**—A splendid new variety of the Hackensack type. It is of very superior quality, with green flesh and densely netted. In shape it resembles the Hackensack, but slightly more ribbed. Besides being most beautiful, it is one of the earliest of all. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 65c.



Osage Muskmelon.

**Early Green Flesh Nutmeg**—THE OLDEST NUTMEG OF ALL, and one of the very best; highly scented flesh, thick, sweet, and finely flavored; of good size and quite early. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**THE OSAGE**—A favorite yellow fleshed variety. Large, oval, slightly ribbed and netted; SKIN VERY DARK GREEN; flesh a deep, rich, salmon, sweet, highly flavored and delicious to the rind. The whole crop is very even and fruit extra heavy, owing to the thickness of the meat. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Banana Melon**—18 to 24 inches long. Yellow flesh, blending from bright green to rich salmon. Early. Fragrant and delicious. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., 85c.



Banana Muskmelon.

## List of Good Standard Muskmelons.

The following good varieties will be furnished at the uniform price of 5 Cents per packet, 10 Cents per ounce, 20 Cents per  $\frac{1}{4}$  pound, and 60 Cents per pound. Deduct 10 cents per pound from these prices if seeds are ordered sent by express or freight. 15 cents per pound may be deducted for 5 pound lots.

**Champion Market**—Very productive; medium size; green flesh.

**Giant Chicago Market**—This fine sweet melon is very large; deep ribbed; green flesh. Largely grown for Chicago market.

**Perfection (Princess)**—Medium size. Dark green skin, heavily netted; flesh a rich orange color; very sweet.

**Jersey Belle**—An improved Jenny Lind, double in size, and has all the excellent qualities of the Jenny Lind.

**Large Green Nutmeg**—Large. Round. Green fleshed. Fine flavor.

**Bay View**—The leading oblong green fleshed melon. Ready seller.

**Miller's Cream**—Flesh a rich salmon; very sweet and melting.

**Banquet**—Medium size; flat at both ends; netted. Color dark rich salmon; very fine.

**Jenny Lind**—Fruit small, round-flat in shape; greenish color when ripe; enormous cropper.

**Cassaba**—Large oblong, like Day View, but more pointed.

**Surprise**—Shape nearly round; thin, cream colored skin; flesh thick, salmon color; good size; early.

**Reedland Giant**—Mammoth size, often reaching 25 lbs.; oblong in shape; flesh green.

## Winter Pineapple Melon.

Introduced into California from Cassaba, Asia Minor, by one of our customers. Its peculiar shape and corrugated skin is quite accurately shown in the cut. Rind very thin, of a rich yellow color tinged with green. Flesh firm, light green in color; delicious pineapple flavor. A wonderfully long keeper. Melons seldom ripen on the vine but should be carefully picked off after first frost and stored like squashes in a dry, cool place. Bring into a warm room a few days previous to using. If carefully handled they may be kept late in the winter. Many specimens weigh from 15 to 16 pounds. HEADQUARTERS SEED STRICTLY FIRST-CLASS. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., 90c.



**LARGE PACKETS.**—Customers write us that our packets are well filled and generally contain more seeds than those of others

# Watermelon.

German—Wasser Melon. French—Melon d' Eau. Spanish—Sandia.

A light, sandy soil, with good exposure to the sun, is the best for Watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. If extra large melons are desired for exhibition purposes leave but one or two melons on a vine. Plant in hills 8 to 10 feet apart each way, with a shovelful of well-rotted manure mixed with the soil in each hill. If commercial fertilizer is used it should contain a large percentage of ammonia and potash. Plant 8 or 10 seeds in each hill, and, finally, when danger from insects is past, leave but three strong plants.

One ounce of seed for 30 hills; 1 or 2 pounds to the acre.

## Livingston's Nabob Watermelon.

A NEW, DISTINCT AND BEAUTIFUL MELON.

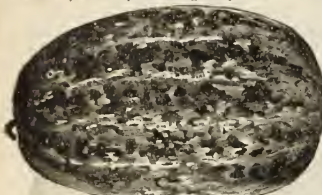
Named and Introduced by Us in 1895.

THE BEST FOR THE HOME GARDEN.

THE BEST FOR THE MARKET GARDEN.

THE BEST FOR THE SHIPPING TRADE.

Its hardy vines are vigorous, healthy and productive, its fruit large and heavy (30 to 50 lbs.) resembles the Kolb Gem in shape and uniformity, but differing in color, being attractively mottled, rather than distinctly striped. The rind, though thin, is very firm. Two average-sized men have stood, bearing their weight, on a NABOB weighing 30 lbs., without cracking the rind or injuring the melon. The fruit keeps long in good condition, is not excelled in shipping qualities; seeds dark buff or dun color; flesh deepest scarlet, firm, solid, and of richest flavor. We have had it thoroughly tested on different soils, in various climates, and under unfavorable as well as favorable conditions, and all praise its good qualities. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.; 3 lbs., \$2.00, postpaid.



Phinney's Early Watermelon.

**HOOSIER KING**—Melons grow oblong. Flesh brilliant red, very solid, sweet and luscious. Skin striped light and dark green; rind very thin but EXTREMELY HARD, making it a VALUABLE SHIPPING SORT. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**JUMBO**—From Georgia, the home of the Watermelon. Color of the skin is solid dark green, and the flesh a very bright red, particularly sweet, juicy and melting. It grows to a large size, sometimes 80 lbs., with plenty of them at 40 to 60 pounds. One of the best shipping sorts. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**IMPROVED DIXIE**—Beautifully striped, is surpassed by few, if any, for shipping or for table, the flesh being very red, sweet and juicy; all that can be desired in quality, flavor, etc. Will HOLD after it is ripe for several days and still retain its excellent qualities. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**COLE'S EARLY**—Very hardy, a sure cropper; extremely delicate in texture of flesh, which is a dark red; rind thin, very brittle. We recommend it for home use. Medium size, nearly round; rind green, striped with lighter shades. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**FORDHOOK EARLY**—Largest early melon grown. Fruit large, round; outer color medium green. Flesh bright red, of fine quality. A good shipper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.

**MCIVER WONDERFUL SUGAR**—A large, oblong melon of handsome appearance; skin shows broad bands of white, with narrower ones of green. Its soft pink flesh is crisp, juicy, and solid to the center. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.; 3 lbs., \$1.50.



**RUBY GOLD**—A new, large, long melon; flesh solid, pure golden-yellow, variegated with streaks and layers of bright pink. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**PHINNEY'S EARLY WATERMELON**—Few, if any, of the early sorts surpass this old favorite. It is first to ripen, of good size and productive; shape oblong; rind a distinct mottled color; the flesh is a deep red; early market melon. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**SEMINOLE**—One of the best large, long Florida melons. EARLY, ENORMOUSLY PRODUCTIVE AND OF MOST DELICIOUS FLAVOR. It is of two distinct colors—gray and light green. Melons of both colors, the same in size, shape, color of seed, flavor, etc., are found on the same vine. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**MAMMOTH IRONCLAD**—Immense size, handsomely marked, and oblong in shape; flesh red and very solid; the heart is large, and flavor delicious. A heavy yielder. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**FLORIDA FAVORITE**—A splendid oblong melon; ten days earlier than Kolb's Gem; red flesh, of the finest flavor and quality. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.; 3 lbs. for \$1.50, postpaid.

**KOLB'S GEM**—Flesh bright red and of good flavor. It is one of the largest (30 to 50 lbs.), most productive and best keeping melons grown. OUR STOCK CANNOT BE SURPASSED. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.; 3 lbs. for \$1.25, postpaid.

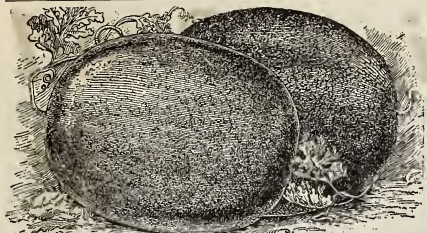
**THE JONES**—Outside color, solid green. Flesh bright red, sweet juicy and melting. Large size; resembles Kolb's Gem in shape, and splendid shipper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**GREEN AND GOLD**—Golden-orange fleshed variety of good size (25 to 30 lbs.); early; productive; flesh juicy, very sweet and of delicious flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.



McIver Wonderful Sugar Watermelon.





## Sweet Heart Watermelon

This new melon is early, large, handsome, heavy and productive. Shape is oval; color mottled light to very dark green. Flesh bright red, solid, tender and very sweet. We have a very fine stock grown from selected seed procured from the originator, hence it is pure and true. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c.

**Ferry's Peerless**—One of the best for home gardens and market gardeners who deliver direct to customers. Medium size, flesh red, white seed; first-class. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**Preserving Citron**—Red seed; used for sweetmeats and preserves; flesh solid, white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Colorado Preserving**—Larger than the common Citron, weighing 25 to 40 lbs.; flesh very solid; makes very clear, transparent preserves of fine flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Mountain Sweet**—One of the oldest and best known; skin deep green; large; rind thin; flesh deep scarlet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Georgia Rattlesnake or Gypsy**—Very large, long, smooth and distinctly striped; flesh bright scarlet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**Dark Iceing**—Very solid; thin rind; highly prized as a shipper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.



## True Ice Cream Watermelon.

**The Great Home Market Melon.** This old stand-by is our best general cropper for the home market; has too thin a rind for shipping unless packed in straw. We have sold it for many years to our most extensive Scioto Valley melon growers, for whom it brings highest prices, and meets with ready sale regardless of other varieties that may be on market, because it has become a great favorite with Columbus melon dealers and consumers. Few, if any, surpass a **True Ice Cream** for quality and productiveness. Medium early, fruit oblong, large size; rind light mottled green; flesh bright scarlet, solid to the center, melting and delicious. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c; 3 lbs. for \$1.50.

**Cuban Queen**—This is a large variety, often weighing 80 lbs. and upward; striped light and dark green; an enormous cropper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

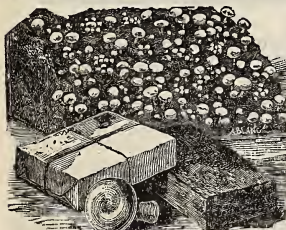
**Jordan's Gray Monarch**—Very large; mottled gray; long; flesh bright crimson. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Pride of Georgia**—Dark green; oval; a good shipper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**The Boss**—Oblong; nearly the same diameter throughout; skin a black green; flesh deep scarlet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c.

**Black Spanish**—Large, round, very sweet, scarlet flesh. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

# Mushrooms.



One of the most profitable crops for the outlay that can be grown. The market is sure, because the supply never equals the demand. Mushrooms can be grown in any dark room or cellar where the temperature can be kept at 50 to 70 degrees. From some old pasture procure good rich soil and store it away. To every bushel of this add two bushels of fresh horse manure. Of this well mixed compound prepare a bed, say 4 feet wide. Put down a thin layer and pound it down hard, and so on until the bed is 12 to 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut to each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about 12 days; then cover the bed with two inches of fresh loam, and over this put 4 or 5 inches of hay or straw, and the work is done. If the temperature is right, in 6 or 8 weeks you may expect Mushrooms. The beds will continue bearing from 20 to 30 days. After the first crop is gathered, spread over the bed an inch of fresh soil moistened with warm water, and cover with hay as before. The main conditions in Mushroom growing are proper and uniform temperature and very rich soil. One pound of spawn is sufficient for a bed 2 x 6 feet. We import our Spawn from the best makers in England.

We would advise Mushroom Growers, especially beginners, to get a book on the subject, written in full by an experienced grower, such as "**Falconer's Mushrooms and How to Grow Them.**" This book will be sent by us for \$1.50, postpaid.

**English Mushroom Spawn**—By mail, postpaid, per Brick, 30c.; 5 lbs., \$1.25. By Express, at buyer's expense, 10 lbs., \$1.00; 25 lbs., \$2.40; 50 lbs. at 9c. per lb.; 100 lbs. or over at 8c. per lb.

**French Mushroom Spawn**—Put up in boxes of 2 lbs. each. Price, per Box, 75c.; by mail, \$1.00; the same loose, per lb., 35c.; by mail, 45c.

# Mustard.

German—*Senf*.  
French—*Moutarde*.  
Spanish—*Mostazoe*.

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like Spinach. Cultivate same as Cress.

**SOUTHERN GIANT CURLED**—Very highly esteemed in the South, where the seed is sown in the fall and plants used very early in spring as a salad. Seed, brown. Produces plants two feet high; forms enormous bunches. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.

**WHITE ENGLISH**—Leaves light green, mild and tender when young; seed, light yellow. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 35c.

**BROWN OR BLACK MUSTARD**—More pungent in flavor than the White. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**NEW CHINESE**—A giant curled variety with leaves double the size of the ordinary. Pks., 5c., oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

# Martynia.

A hardy annual plant, the seed pods of which, if picked when green and tender, make excellent pickles. Plant in May in the open ground, about 3 feet apart each way, leaving but one plant in the hill.

**PROBOSCIDEA**—Pkt., 5c, oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

H. E. Balthaser, Ohio, Feb. 20, 1900.—"Your seeds are all O. K. They come well and grow from the start. I find them just as represented. We have been using your seeds for several years and find them No. 1. They are the best we have ever tried."

Chas. Edwards, Ohio, April 2, 1900—"The Dark Iceing Watermelon seed that I received from you last season proved to the best melon we grew; I sold them in three counties, and they weighed from 50 to 60 pounds each."

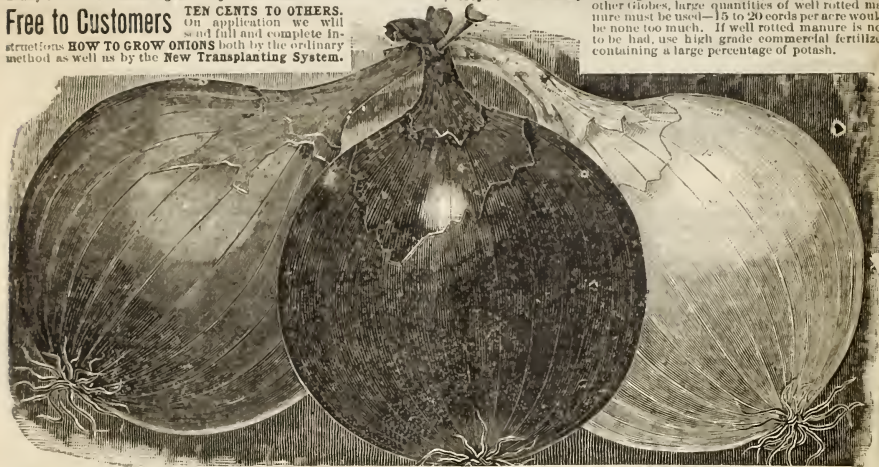
# Livingston's Onion Seed

**We take Pride** in the record of our fine strains of Onion Seed, having grown Onions for many years, for market as well as for seed purposes, we are in position to fully appreciate the necessity there is for using great care in the selection of the bulbs for seed production. There is no crop which depends more upon the quality of the seed. The seed we offer, we are sure, is not surpassed anywhere, and is thoroughly tested for vitality before it is sent out, so that it is **sure to grow**, where soil and season are favorable, and sure to produce an abundance of well-shaped bulbs, free from scallions or soft-necked. Our aim is to always sell at reasonable prices and as low as any in the trade offering strictly first-class seed.

**Free to Customers** **TEN CENTS to OTHERS.** On application we will send full and complete instructions **HOW TO GROW ONIONS** both by the ordinary method as well as by the **New Transplanting System.**

**Culture** Onion Seed should be sown as soon as possible in the spring, even if the weather is cold, so the soil works up well. This gives them a good start ahead of the weeds and before dry weather sets in. After thoroughly pulverizing the soil, sow thinly, 4 to 5 pounds to the acre, in drills one foot apart and about  $\frac{3}{4}$  inch deep, in strong land, well manured. When well started, say four inches high, thin out to stand three or four inches apart in the drills, keeping them well hoed and free from weeds.

Onions delight in strong, rich, deep, loamy soil, and succeed well if grown for a succession of years on the same ground. To get **heavy crops of finest shape and high colored bulbs**, especially Danvers and other Globes, large quantities of well rotted manure must be used—15 to 20 cords per acre would be none too much. If well rotted manure is not to be had, use high grade commercial fertilizer containing a large percentage of potash.



Large Yellow Globe.

Large Red Globe.

Large White Globe.

**Yellow Danvers Flat** A splendid onion for either market or home use; flatter than Globe Danvers. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.00.

**Extra Early Flat Red**—A good medium sized variety, very uniform in shape; smaller than Red Wethersfield, but two weeks earlier; an abundant producer; good keeper; very desirable for early market. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.00.

**Early Red Globe (Danver)**—A handsome variety; matures very early; medium size; good keeper; skin deep red; flesh fine grained; flavor mild. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**White Portugal or Silverskin** Matures early; large size; mild flavor; excellent for winter; much esteemed for pickling when small; a handsome big onion. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Large White Globe** By careful selection and cultivation we have developed this handsomest of all white varieties until it is second to none as a good keeper. Yields abundantly, producing handsome, large, pure white globe-shaped bulbs; flesh firm, fine grained, mild flavor. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Large Red Wethersfield** For General Purposes, the country over, no red variety is so largely grown. Large sized, somewhat flattened; skin deep purplish red. One of the best keepers. We have grown it on various soils for nearly 40 years and cannot recommend it too highly as a general cropper and a variety that will do well anywhere that large onions can be grown. Yields enormous crops when the conditions are favorable. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Large Red Globe (Southport)**—Our strain of Red Globe Onion is carefully selected to the large, almost globular, small necked type, being entirely distinct from the ordinary Red Globes sold today. The skin is the most highly colored of all onions, being a deep glossy crimson, making it very showy when ready for market. Our stock of seed this season is heavy and plump. We advise all onion raisers to plant our strain Red Globe. (See cut.) Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.20.

**Select Yellow Danvers Globe** Grown extensively as a main crop. A beautiful golden color; medium size, quite early, bottom nearly flat, oval top, small neck; very prolific; first-class keeper and shipper. The strain we offer can be excelled only by our Ohio Yellow Globe. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

**Large Yellow Globe (Southport)**—Very large; fine color; keeps well. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Large Yellow Dutch** The well-known flat, bright yellow onion; a good keeper; larger than Danvers. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.00.

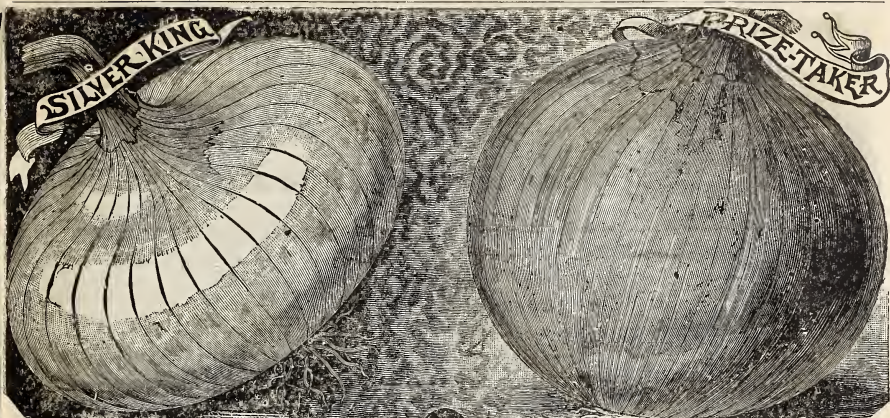
**Philadelphia Yellow Strasburg**—A splendid yellow variety of fair size, and the BEST YELLOW for growing a BRIGHT, ROUND, PLUMP SET. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.20.

**Philadelphia White Silverskin**—A good sized white, and grows a most BEAUTIFUL, FIRM, ROUND, PEARLY WHITE SET. Extensively grown. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 70c.; lb., \$2.25.

**HENRY MILLER, Cayuga Co., N. Y.**—"This I will say for your seeds: I never had a finer or larger crop of Onions in my life than I had last year. Seemed as though every seed came. They are rightly named TRUE BLUE SEEDS."

*Imp. Large Yellow Globe*





**Mammoth Silver King** Of attractive shape with silver-white skin, and flesh of a most agreeable mild flavor. It matures quite early and reaches a much larger size than any other of the flat varieties, frequently measuring twenty inches in circumference, and weighing from 3 to 5 pounds when well grown. They MUST BE SOWN THINLY to produce large onions. We have sold this onion for ten years, and do not hesitate to recommend it as one SURE to please the grower. True American Grown Seed. Pkt., 5c.; oz., 20c.; 2 ozs., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

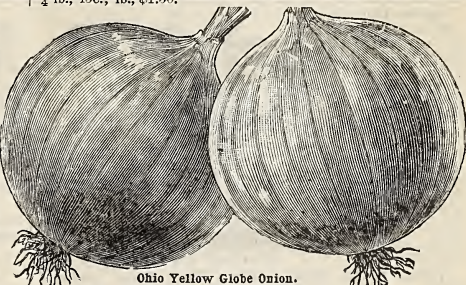
**Australian Brown Onion** A VALUABLE EARLY VARIETY FROM AUSTRALIA, medium size, hard and solid, attractive for market, both as to form and appearance. Extremely early in ripening, and NEVER MAKE ANY STIFF-NECKS OR SCULLIONS. Every seed seems to produce a good-sized onion. It has the reputation of keeping indefinitely. The color of the skin is a clear amber-brown. Pkt., 5c.; oz., 20c.; 2 ozs., 30c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75, postpaid.

G. F. JOSLIN, N. Y.—“The Ohio Globe, sown right along side of other onions, yielded double with much less care and I think they are ahead of most onions. I shall praise them until you find something better. I raised the largest and smoothest onions this year I ever raised, selling them for a higher price than others.”

JOHN W. HENRIE, Clay Co., Mo.—“The Ohio Globe Onion Seed I thought of you has proved to be the best I ever raised onions from, and no one need be afraid to try them.”

PETER MATTIMORE, Mass.—“Your seed last year proved fine. Nothing to compare with Ohio Yellow Globe Onions.”

**Prize-Taker** This is the large, beautiful Spanish variety sold in the fruit stores and in the markets of all the large cities. They are of ENORMOUS SIZE, averaging from 14 to 16 inches in circumference. Although of such great size, it is very hardy and a good winter keeper. Outside skin is rich yellow, while the flesh is white, sweet and tender. They bottom well, are free from stiff-necks and have produced more bushels of marketable onions to the acre than any other variety in America. In market they attract attention, sell readily at advanced prices. True American Grown Seed. Pkt., 5c.; oz., 20c.; 2 ozs., 30c.;  $\frac{1}{4}$  lb., 45c.; lb., \$1.50.



Ohio Yellow Globe Onion.

\*\*\* Livingston's \*\*\*  
**New Brown Beauty Onion**

For over 30 years the Market Gardener's Favorite Onion for this Market.

For winter and early spring it is hard to beat. Hardy and solid; keeps anywhere in good shape until late spring, where other onions would be frozen or growing, or worthless. A medium flat variety, of good size, cures down early and perfectly; skin dark brown; flesh white and of desirable flavor. Being so hardy it is good for putting out early for green bunch onions. Set growers should not fail to test this onion, as no other sort equals it for keeping qualities. Pkt., 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.35.

A few Quotations taken from reports of Customers.

“It is a dandy.” “Very pleasant flavor.” “Ripened Aug. 10th, keeping nicely, a fine one.” “Without exception the very finest I have ever grown.” “Very firm; good keeper.” “Eating qualities fine; best I ever raised.” “The favorite of all.”

**For IMPROVED LARGE YELLOW GLOBE ONION**

SEE NOVELTY PAGES IN FRONT PART OF THIS CATALOGUE.

**Ohio Yellow Globe**

LIVINGSTON'S EXTRA SELECTED STOCK.

Generally admitted by seedmen and onion growers everywhere to be the most desirable strain of perfect type Globe-Shaped Onions in existence. We name it “Ohio Globe” to designate it from the many strains of Globe Danvers now offered; besides to Ohio growers belong the honor of producing, by many years of painstaking care, selection and cultivation, this, the finest strain of that extreme type of Globe now so eagerly sought after by all of the best growers, and so deservedly popular in all large onion markets. Its main points of excellence are: Distinct and attractive shape, handsome, bright, even color, ripens early and all at once. Necks very small, and cure down to almost nothing. The firm, solid bulbs are excellent winter keepers, and all that can be desired in size and quality; enormous yielders; 80 bus. (standard weight) per acre are frequently grown on rich onion land. This is a superb onion for all classes of soil (well enriched) and especially good for muck lands on account of its quick maturing qualities. Pkt., 6c.; oz., 15c.; 2 ozs., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.



## Spanish and Italian Onions.



Extra Early Barletta.

**EXTRA EARLY BARLETTA**—very earliest onion in cultivation. When matured the tops die down, leaving beautiful and perfect little bulbs. Pure white; mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.25.

**NEAPOLITAN MAGGIAJOLA**—(Italian May Onion)—A large, flat, beautiful, silver-white skinned variety; one of the earliest of all. Can be sown in February or March and will mature a crop very early; or if sown in July the crop will be matured the same season. In the South the seed can be sown in autumn, and large onions gathered in March. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

**MAAMOTH POMPEII**—(Red Gargansu, Copper King)—A very fine variety. It has produced onions weighing four or five pounds each. The skin is a delicate red, flesh close grained and nearly white, and of very mild flavor. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Spanish King**—Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

**White Queen**—A pure white small flat onion, 1 to 2 in. in diameter. Sown in early spring will ripen in July. Very mild flavored; excellent for pickling. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

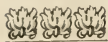
**Red Victoria**—Has a distinct oval shape; can be grown to weigh 2 to 4 lbs. Skin dark red, flesh white or rose colored, mild and sweet. A good keeper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.



Extra Early Pearl Onion.

**EXTRA EARLY PEARL**—("Silver White Eta," "Blossdale")—A very fine and very early variety. The bulbs, when well grown, are large, round, flattened, with a delicate pure white skin; flesh very mild in flavor. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

**Giant Rocca**—Light brown skin, globular in form, flesh tender and mild. It will produce an immense onion from seed the first season. To attain the largest growth the smallest bulbs should be set out the next spring, when they will continue increasing in size instead of producing seed. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



**White Victoria**—A beautiful, large, round variety with silver-white skin, but sometimes of a delicate light rose-color; juicy, sweet and milky white. A good keeper. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.50.

**ROUND WHITE SILVER SKIN**—The best pickling onion ever introduced. Uniformly small, round and handsome, with an opaque white skin which does not turn green upon exposure to the sun. They are compact and hard, but at the same time crisp and brittle. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.



Round White Silverskin.

## Bermuda Island Onions.

**BERMUDA ISLAND RED**—Genuine Imported direct from Tenerife.—A very early pale red onion, grown extensively in the Bermudas and southern parts of the United States for early shipping to northern markets. Grown in our climate, the bulbs are smaller, but mature early and retain much of the mild sweet flavor of the imported ones. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.15.

**Bermuda Island White**—Mild flavored; white in color; otherwise same as red. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.15.

## Onion Sets. For Prices see below.

**Bottom Sets** are produced by sowing the seed very thickly (10 to 60 pounds to the acre) as early as the ground can be worked in the spring, in beds or broad drills, and not thinning out. About the middle of July, or whenever the tops die down, usually when about half an inch in diameter, they are pulled and allowed to remain on the ground a day or two, when the tops should be wrung off by hand, put into shallow pans or spread thinly in a dry loft; sets should be planted out as early in the spring as the ground is dry enough to work, in rows one foot apart, with sets two inches apart; the onions can be used in the green state in June and will ripen in July.

**TOP SETS, OR BUTTONS—"Toppys"**—These produce the small clusters on the tops of the stems, where seed is produced in the common kinds. These small ones are planted in the spring and the result is large onions, and these large ones, with one year's growth, produce the clusters on top.

**Winter Egyptian, or Perennial Tree**—When once set out it grows for years without protection or expense in keeping down the weeds. It starts so early in the spring that it is ready for use a long time before any other onions can be had. It is mild-flavored, sweet and tender. They form no large bulbs, but divide and grow as many as fifteen or twenty small ones in a bunch. Desirable for family use, and very profitable for market gardeners.

**POTATO ONIONS**—Esteemed by many as the best for early use; large size, mild, sweet flavored, very early, and large producers; the small bulbs are planted in the spring and increase in size, and the parent bulb, planted in the fall and spring, produce a quantity of small bulbs in a cluster, growing mostly on the top of the ground.

**WHITE MULTIPLIERS**—Are a pure silvery-white color, enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted; of excellent quality and size for household green or can be thinned for use as picking onions. Their keeping qualities are remarkable, but their most important quality is their extreme earliness, being ready for market three to four weeks ahead of other onion sets.

**ONION SET PRICES**—Prices are based on the present market rates and are subject to change according to the market, without notice. The market fluctuates very much, hence we do not care to make a fixed price. Lowest market prices on small or large quantities will be given on application at any time. At bushel, peck and half-peck prices the buyer pays the express or freight; at pint and quart prices we pay the postage.

	Pint	Quart	Peck	Bushel
Potato Onions.....	15c.	25c.	50c.	75c.
White Multiplier.....	15c.	30c.	50c.	90c.
Top Sets, or Buttons.....	15c.	25c.	50c.	75c.
White Bottom Sets.....	15c.	25c.	50c.	75c.
Yellow Bottom Sets.....	15c.	25c.	40c.	65c.
Red Bottom Sets.....	15c.	25c.	15c.	75c.
Egyptian Winter Sets.....	15c.	25c.	25c.	40c.

White Bottom Sets and Potato Onions are sold by measure. White Multiplier, Button and Egyptian by weight 28 pounds for a bushel.

If you want larger lots than quoted above, write us, and we will make you LOWEST MARKET PRICE at the time, for choice stock. We handle sets in large quantities.

## Okra, or Gumbo.

One of the most wholesome of the South Sea Islands. The pods, when young, make a fine soup of themselves, or with other ingredients, and when pickled are a fine salad. Plant seed after the ground is warm, thickly in drills 3 feet apart, thinning to one foot. Make early and late sowings to secure a supply throughout the season. No trouble to grow in any good garden soil.

**White Velvet**—Decidually the best variety. Distinct in appearance; unlike other varieties, pods are not ridged, but are perfectly round, smooth, and attractive white velvety appearance, of superior flavor and tenderness. Compactly dwarf, of compact branching growth; the extra large pods are produced in great abundance. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.



White Velvet Okra.

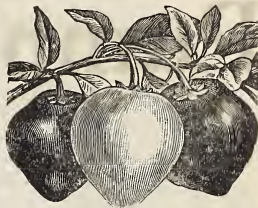


# Peppers.

German—Pfeffer.  
French—Piment.  
Spanish—Pimiento.



**Mammoth Ruby King.**



**Kaleidoscope Pepper.**

**Kaleidoscope**—A novel and beautiful pepper; are of a light yellowish cream color. When fully grown they commence to change color, first to a lovely canary yellow, then to a deep orange, then to a rose, or pink, and so on through different shades until they are an intense scarlet; a plant bearing hundreds of peppers showing six or eight distinct colors, is an object of great beauty. Its flavor is clear and sharp. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

**New Fancy Wrinkled**—Excites admiration on account of their distinct and peculiar form and various colored fruits, deep orange, vibrant scarlet, lemon yellow; a profuse bearer, flavor sharp. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

**County Fair**—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

**Procopp's Giant**—This new variety is the "Goliath" of the pepper family. They grow uniformly to a very large size, of brilliant scarlet color, and in flavor just hot enough to be pleasant. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

**Celestial**—A most useful Pepper and one of the most beautiful plants in existence. The pods are upright, conical in shape, and of a delicate creamy yellow, and when fully grown change to a vivid scarlet. Peppers two to three inches long, sharp flavor and superior for any of the uses to which pepper can be put. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

**Orange Mammoth Sweet**—A very large yellow sort, of fine shape, mild and excellent for mangoes. Pkt., 10c.; ½ oz., 20c.; oz., 35c.; ¼ lb., \$1.00.

**Golden Dawn**—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

**Large Bell, or Bull's Nose**—An early variety of mild flavor; mild thick and fleshy. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

**Large Sweet Mountain**—Very large and excellent for mangoes. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

**Cayenne**—For making Cayenne Pepper Sauce. Small; pungent; used more than any other for making pepper sauce. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

**Long Red**—Four inches long and an inch or more in diameter; flesh thick and pungent. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

**Squash, or Tomato Shape**—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

**Red Cluster**—Its distinct and brilliant scarlet fruit is curiously crowded together in bunches or clusters at the top of each branch. A single plant bears hundreds of handsome, hot and pungent peppers. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

**Cherry Red**—Fruit small, round, color rich scarlet; very hot. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

**Red Chili**—For making Pepper Sauce, "hot as fire," small and prolific. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

**Coral Gem Bouquet**—Its beautiful little pods of shining red are so thickly set as to give it the appearance of a bouquet of corals. A splendid sort for making pepper sauce, and makes a ready selling plant when grown in pots. Pkt., 5c.; ½ oz., 20c.; oz., 35c.; ¼ lb., \$1.00.

**Sweet Spanish**—One of the largest and earliest varieties; flesh is sweet and mild. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

**Giant Yellow King Mango**—New Golden Pepper, an exact counterpart, except in color, of the famous Ruby King Pepper, which has so steadily gained in popular favor the past ten years. The beautiful healthy plants bear large, handsome fruits, of a most attractive, bright yellow. The flavor is unsurpassed, exquisitely mild and pleasant. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.75.



This variety is a very great improvement on the ordinary Long Red Cayenne. It is of about the same length, but is much thicker, and has 2 or 3 times as much meat, averaging about 1 inch in diameter at the stem end. It is grown by the Columbus Gardeners exclusively. Exceedingly prolific, very pungent and particularly handsome in appearance. Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.75.



**Cardinal Pepper.**

**Mammoth Ruby King**—Entitled to head the list. Of immense size and the head of all varieties. Ordinarily they grow four to six inches long, by three to four inches thick. When ripe they are of a beautiful, bright RUBY RED COLOR, and are always remarkably mild and pleasant to taste. They can even be sliced and eaten with pepper and vinegar (like tomatoes or cucumbers), and make a very pleasant and appetizing salad. The plant is of sturdy, bushy habit, and each plant produces from six to twelve handsome fruits. They should not be grown near the hot varieties or they will partake of their fiery nature. **Choice Seed**—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.45.

**Cardinal**—A new pepper with long, curved tapering pods, about two inches thick at the stem end; very sweet and tender, and exceedingly handsome. Nothing equals it in depth, purity and brilliancy of color. It is worthy of cultivation for its beauty alone. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

**Golden Queen**—This is a very beautiful and a large variety. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.75.

# Pumpkins

German—Kurbis. French—Courge. Spanish—Calabaza.

Pumpkins are not so particular in regard to soil as Melons or Cucumbers, but in other respects are cultivated in a similar manner. They are generally raised in fields of corn and potatoes, and may be planted with success in fields by themselves. In May or early June, in hills eight feet apart each way. One ounce for fifteen hills; one pound for an acre.

## Genuine Mammoth, or True Potiron

ALSO CALLED KING OF MAMMOTHS, LARGE YELLOW MAMMOTH, MAMMOTH \$50 PUMPKIN, JUMBO PUMPKIN. Form like an immense Nutmeg Melon with depressed ends, slightly ribbed and grows to immense size—sometimes 3 feet or more in diameter. Salmon color; flesh bright yellow, fine grained; good quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**Large Common Yellow Field (Yankee Cow Pumpkin, Connecticut Field—HARDEST OF ALL PUMPKINS;** good for pies and stock feeding. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 35c.

**Tennessee Sweet Potato—Excellent** for pies; pear shaped; medium size; flesh and skin creamy white; fine grained; sweet and delicious; a first-rate keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

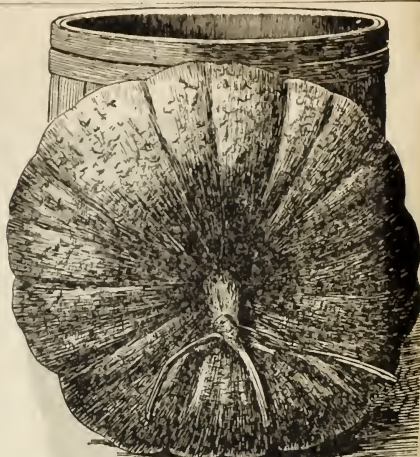
**Large Sweet or Pie—Not so flat as Cheese,** large, very heavy, thick meat and sweet. More generally grown in Ohio than any other, both for feeding stock and table use. Skin dark orange, sometimes mottled with green. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**Large Sweet Cheese—Fine** for pies; productive; flesh yellow; sweet; keeps well into winter. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**Mammoth Tours—Of immense size,** often weighing 100 lbs. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

**Black Sugar (Negro or Nantucket Pie)—A good "Pie"** Pumpkin. Oblong in shape; skin very dark green, almost black; flesh orange color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

**Japanese Pie—Crook-necked variety;** extremely small seed cavity; nearly all solid meat; quality extra fine. Seeds distinct in appearance. Productive; ripens early; medium size; good keeper. Easily cut and dried like apples, and makes excellent pies or sauce for winter use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



Mammoth Potiron Pumpkin.

**Golden Oblong—Outer color a rich golden-orange;** almost as good a keeper for winter as the hard-shell squashes; flesh yellow, very rich, and fine quality; pronounced by lovers of pumpkin pies THE VERY BEST. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

**Mammoth Etampes Bright Red—This giant variety** grows to enormous size; a bright glossy red; for stock and exhibition purposes. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**Small Sugar—Very prolific, 8 ins. diameter,** deep orange yellow, fine grained, keeps well. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



## Parsnip

Immediate use. One ounce to 200 feet of drill, 5 or 6 pounds for an acre.

**Large Sugar or Hollow Crown (Improved Guernsey)—The best variety** in cultivation for general use; roots intermediate length, white, smooth, sugary; excellent flavor, easily harvested. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**Long White Dutch—Roots very long and smooth;** hardy and keeps through winter, without protection. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**Maltese Half-Long—Shorter than Hollow Crown;** better for shallow ground. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Zimpher's Long White—Handsomest long white sweet Parsnip on the market.** Very smooth and attractive. For fuller description see Novelty List. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.20.

## Parsley

German—Petersilie.  
French—Persil.  
Spanish—Perejil.

It should be sown early in the spring in rows one foot apart; sow thick and cover half an inch deep; finally thin to 5 or 6 inches apart or transplant and cut back frequently. For winter use protect in a frame or light cellar.

One ounce for 150 feet of drill.

**FINE DOUBLE CURLED—A fine dwarf variety.** Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**CHAMPION MOSS CURLED—Beautifully crimped and curled.** Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**PLAIN—The leaves are plain;** it is harder than the curled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 45c.

**EXTRA CURLED EMERALD—Distinct from other varieties,** being a lighter shade of green. The plant is small, with leaves finely cut and curled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c.

**FERN LEAVED—Very beautiful;** more like crested fern or moss than Parsley; grand for table decoration. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**HAMBURG, OR TURNIP-ROOTED—A fleshy rooted kind;** the roots are used for flavoring soups. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

Parsley is used for seasoning soups, meats, etc., for salads and garnishing, also for ornamental border for the flower garden; succeeds best in a rich, mellow soil. As seeds germinate very slowly, 3 or 4 weeks sometimes elapse before it makes its appearance.





German—Erbse. French—Pois.  
Spanish—Guisante.

# Peas

Peas mature earlier in a light, rich soil. For a general crop, a rich, deep loam, or inclining to clay, would be best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, use well rotted manure; for the dwarf varieties you can hardly make the soil too rich. When grown for a market crop they are seldom staked or brushed, but are sown in single rows one inch apart and 3 to 5 inches deep, the depth depending on the time of sowing, nature of soil, as well as variety. Rows should be from 2½ to 3½ feet apart, according to variety, soil and manner of culture desired. When grown in gardens it is best to sow in double rows, 6 to 8 inches apart, the tall ones requiring brush, which is stuck in between the rows. Commence sowing early varieties as early as the ground can be worked in the spring, and continue, for a succession, every two weeks up to June, discontinuing until the middle of July, when a good crop can usually be secured by sowing the extra early and early sorts. It is best to make late planting on sandy soil as there is some danger of mildew at this season when planted on heavy land. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. Wrinkled varieties are not as hardy as the smooth hard sorts, and if planted early should have dry soil and not planted deep or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. One quart sows 80 feet of drill. Two or three bushels to the acre.

## WE PAY THE POSTAGE.

At prices quoted on Quarts, Pints and Packets. If to go by Express at buyer's expense, 15 cts. from quart, or 8 cts. from pint prices, may be deducted.

PACKETS OF PEAS OR BEANS ARE HEAVY and the packets put up by some seedsmen to sell at 5c., postpaid, contain TOO SMALL A QUANTITY FOR ANY FAMILY. We therefore put UP LIBERAL SIZED PACKETS at 10c., postpaid. We prefer TO PLEASE our customers rather than DISAPPOINT them.

**ALASKA**—This beautiful blue market pea has become a standard variety, and is the EARLIEST OF ALL BLUE PEAS. 20 inches high; very uniform in maturing the crop; of excellent quality, and retains its desirable color after cooking. Pkt., 10c.; pint, 20c.; qt., 40c.; pk., \$1.40; bus., \$5.00.

**Juno Pea** The Juno is one of the best main crop Wrinkled Peas of its class. It has a stout robust vine and STRAIGHT, heavy, square pods, usually borne in pairs. The pods are very thick, broad-backed and filled from the stem to the tips with seven to nine sweet, delicious, DARK GREEN peas of immense size; height, two feet; season from medium early to main crop. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.30; bus., \$4.50.



American  
Wonder  
Pea.



Gregory's New Surprise Pea.

**New Surprise Pea** Extra Early Wrinkled. Gardeners have long wanted a Wrinkled Pea which would come into market as soon as the extra early smooth kinds. They have it in the "New Surprise." It is "as early as the earliest of the hard peas, and as heavy a cropper, while it has that peculiar sweetness which belongs to the wrinkled sorts." For four years in succession second crops have matured on the same ground from which the first was planted, the second crop coming from the seed of the first. It is the result of a cross between Earliest of All and American Wonder; has the hardness of the first, and the quality of the latter. Vines 24 inches high and need no brushing. Pods well filled, containing six or seven peas. The plants should stand about 2½ inches apart in the drills. Pkt., 10c.; pint, 30c.; qt., 50c.; ½ pk., 50c.; pk., \$1.40; bus., \$5.00.

**THE ADMIRAL**—A valuable second early variety, both for market and family use. Its vigorous vines are about 3 feet high, and abundant bearers of well filled pods of bright green peas of most excellent quality. A favorite with canners, on account of productiveness and bright green color. Pkt., 10c.; pint, 20c.; qt., 35c.; pk., \$1.00; bus., \$3.50.

**IMPROVED STRATAGEM**—Half-dwarf; green wrinkled; vigorous branching habit; an enormous cropper. Pods long, filled with from 7 to 9 EXTRA LARGE peas of EXTRA FINE quality; season MEDIUM LATE. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.40; bus., \$5.00.

**WILLIAM HURST**—It is one of the hardiest, most prolific, and best varieties of first early dwarf wrinkled peas we have ever seen; it is ready for the table as early as the AMERICAN WONDER, and is MUCH MORE PRODUCTIVE; grows stocky, 8 to 12 inches high. The pods are well filled with large peas, each pod containing 6 to 8, so closely packed that the peas are flattened against each other. Best quality. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

**AMERICAN WONDER**—THE LEADING DWARF PEAS in point of earliness, productiveness, flavor and quality. Dwarf and robust habit, growing about 10 inches high, and produces a profusion of good-sized, well-filled pods, fairly packed with the finest flavored peas. Pkt., 10c.; pint, 25c.; qt., 40c.; pk., \$1.40; bus., \$5.50.

**DUKE OF ALBANY**—One of the very largest and best Peas grown. The pods are handsome, large, well-filled, and borne in great profusion. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.30; bus., \$4.50.

**STATION**—Extra early wrinkled, very productive; large pods, well filled, and ripening but few days later than the very earliest. Height 2 feet. Pkt., 10c.; pint, 25c.; qt., 40c.; pk., \$1.50; bus., \$5.00.

**For Carter's Daisy and Prosperity Peas** See Novelty Pages.





**Livingston's First in Market Peas** Several years ago, when we introduced this variety, the name was chosen because it was an appropriate one for this, THE EARLIEST of all very early peas. It means FIRST PEAS IN MARKET and FIRST MONEY to every one who grows from this stock for market purposes, and the farmer who plants it is sure of the first mess of green peas in his neighborhood. It is VERY PROFITABLE for the GARDENER and SHIPPER because it is very early, ripens uniformly, so that all the pods may be picked within seven weeks from the time of planting, and that at one picking. No brush or other support is required, as they seldom, under any circumstances, grow to exceed 20 inches in height. The pods are handsome, straight, and full of medium sized round peas of first-rate quality, and it is immensely productive for so early a variety. We have been carefully looking into the REAL EARLY pea subject and testing the various "strains" and "brands" on the market for years, until we are convinced, as well as our customers who have given them a trial, that FIRST IN MARKET leads all. Pkt., 10c.; pint, 20c.; qt., 40c.; 2 qts., 75c. By EXPRESS OR FREIGHT (not paid.) 4 qts., 65c.; pk., \$1.10; bus., \$4.00.



**Nott's Excelsior** This is a fine new EXTRA EARLY DWARF GREEN WRINKLED PEAS. In earliness it equals American Wonder; in height about 15 inches; in quality equal to Premium Gem, and as a cropper it excels either. A great variety, because it can be planted so much closer than tall growing sorts. Pkt., 10c.; pint, 25c.; qt., 40c.; pk., \$1.60; bus., \$5.75.

**Premium Gem** Very fine EXTRA EARLY dwarf pea of Little Gem type, on which it is a decided improvement; larger pods and more productive. Profitable wrinkled pea for market gardeners, and for family use there is none better. Pkt., 10c.; pint, 25c.; qt., 40c.; pk., \$1.40; bus., \$5.00.

**Dwarf Tom Thumb**—Dwarf, about nine inches tall; matures about the time of American Wonder. Can be planted very close. Pkt., 10c.; pint, 25c.; qt., 40c.; pk., \$1.20; bus., \$4.25.

**McLean's Little Gem**—A gem indeed. Dwarf green wrinkled variety, 12 to 14 inches high; prolific; VERY SUPERIOR FLAVOR. Pkt., 10c.; pint, 20c.; qt., 40c.; pk., \$1.40; bus., \$4.75.

**McLean's Advancer**—About the best second early. Green, wrinkled; 2½ feet high; long pods, abundantly produced and well filled. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.20; bus., \$4.25.

**Champion of England**—One of the best. Delicious flavor; PROFUSE BEARER of large pods well filled with large green wrinkled peas; 4 feet. Pkt., 10c.; pint, 20c.; qt., 35c.; pk., 90c.; bus., \$3.25.

**The Telephone Pea** No pea to-day, of its class, is more meritorious or deservedly popular than the Telephone. Green wrinkled; height 3½ feet; productive; pods unusually large, elegant shape, slightly curved, and well filled with peas of large size and most excellent quality and flavor. Pkt., 10c.; pint, 20c.; quart, 40c.; peck, \$1.25; bus., \$4.25.

**H. E. BALTHASER, OHIO.**—Your seeds last year were all O. K. They grew well from the start. I found them just as represented. We have used your seeds for several years and find them No. 1. They are the best yet that we have tried.

**MRS. S. C. RICE, Miss.**—I have been patronizing you for the past 8 or 10 years and have found your seeds "True Blue." I feel each year that I can't do without them."







Shropshire Hero.

## Two of Our Best Selling Peas.

### Shropshire Hero

One of the most valuable new peas of recent years. It is a SECOND EARLY, LARGE, WRINKLED PEA, a robust grower like STRATAGEM, two or three feet in height, producing its large pods in abundance. Pods very large and extra well filled, averaging SEVEN and often containing EIGHT or TEN PINE LARGE PEAS of exquisite flavor. Pkt., 10c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 45c.; pk., \$1.10; bus., \$4.00.

### Heroine

Is a medium early green wrinkled pea, grows uniformly two to two and one-half feet high, and bears a profusion of large, long, slightly curved pointed pods, containing 9 to 10 large peas of fine quality. Destined to become a great favorite for market purposes. An immense cropper, yields double the quantity ordinary varieties do. Pkt., 10c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 45c.; pk., \$1.25; bus., \$4.00.

**Everbearing**—A variety maturing soon after the Premium Gem, and continuing a long time in bearing. Vine stout, about eighteen inches high, bearing at the top six to ten broad pods. Peas wrinkled, large, cook quickly and very tender; superior flavor. Pkt., 10c.; pt., 20c.; qt., 45c.; pk., \$1.15; bus., \$4.00.

**Horsford's Market Garden**—A FINE SECOND-EARLY FOR FAMILY GARDENS. Vines two feet high and very regular. Most prolific bearer, pods medium size, numerous and well filled with peas of finest flavor. A green wrinkled variety which is fast coming into general favor. Pkt., 10c.; pt., 25c.; qt., 40c.; pk., \$1.25; bus., \$4.50.

**White Marrowfat**—One of the oldest varieties in cultivation, about four feet high, and well filled with very large pods. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 60c.; bus., \$2.25.

**Black-Eyed Marrowfat**—Similar to White Marrowfat but has a dark eye. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 75c.; bus., \$2.25.

**Pride of the Market**—Has a stiff vine of medium height, bearing a crop of large dark green pods, well filled with large peas of good flavor; season MEDIUM. Pkt., 10c.; pt., 25c.; qt., 40c.; pk., \$1.30; bus., \$4.50.

**Abundance** One of the VERY BEST and MOST SATISFACTORY second early pea for general purposes. It is half dwarf; 15 to 18 inches high; pods large; containing six to eight wrinkled peas of EXCELLENT

QUALITY. Sow seed thin, as it has a remarkable tendency to branch. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.10; bus., \$4.00.

## Sugar, or Edible Podded Peas

All edible podded varieties are used either shelled or cooked in the pods like string beans, and when young, are very tender and sweet.

### LIVINGSTON'S PROLIFIC GIANT PODDED SUGAR PEA

Excels all other Sugar Peas in size, productiveness, and quality. Vines average about 30 inches in height, remain a long time in bearing. The pods gigantic in size, broad, sweet and tender, extremely fleshy, and equal to the best snap beans for cooking pods and all. A decided improvement over other sugar peas and greatly superior in quality. For illustration and further description see novelty pages. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.80; bus., \$6.00.

**Melting Sugar**—This new variety grows to the height of five feet; bears a profusion of very large, broad, handsome, light green (nearly white) pods which are so brittle that they snap without any strings. Sweet and tender. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.50; bus., \$5.00.

**Dwarf Sugar**—(GRAY SEEDED)—Grows about two feet high; productive; seeds large and shriveled. Pkt., 5c.; pt., 20c.; qt., 40c.

**Tall Sugar**—Very productive. Pkt., 5c.; pt., 20c.; qt., 35c.

**Field and Cow Peas**—See Farm Seed Department.

## Rhubarb, or Pie Plant

German—Rhubarber.  
French—Rhubarbe.  
Spanish—Ruibarro Bastardo.

A deep, rich soil is best for Rhubarb. Sow early in drills, eighteen inches apart and one inch deep; thin spring following, transplant, allowing each plant at least two feet square; each fall mulch with manure. One ounce makes about 60 plants.

VICTORIA—Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25. | LINNAEUS—Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Rhubarb Roots** We offer strong seedlings. They are much more easily handled and transplanted than old clumps. The transportation charges are much less than on clumps, and taken all in all are more satisfactory. By Mail, postpaid, each, 20c.; 2 for 30c.; 4 for 50c. By Express, not paid, each, 10c.; doz., 75c.; 50 for \$2.50; 100 for \$4.00; 1000 for \$30.00.

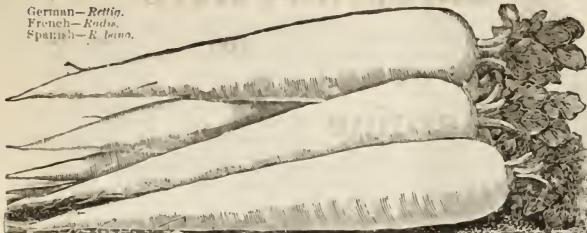


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# Radish

German—*Pettin*,  
French—*Radis*,  
Spanish—*R. león*.

All varieties thrive best in light, sandy loam. For early use sow in hot-bed in February, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about half an inch deep. Sow every two weeks from March to September for a succession. They must grow rapidly to be crisp, mild and tender.  
One ounce for 100 feet of drill; 8 to 10 pounds for an acre



Philadelphia White Box.

**Livingston's Pearl Forcing** A cross between Wood's Early Frame and White Strasbourg—what might be called half-stump rooted. The color is pearl-white with the waxy appearance; texture very firm and solid; remains in eatable condition fully two weeks before they show signs of going to seed, and do not become woody. If properly grown they have a smaller top in forcing than when grown in the open field. All things considered, we pronounce it absolutely the very best general purpose White Market Radish in existence. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**PHILADELPHIA WHITE BOX**—Its points of superiority are short top, rapid growth, perfect turnip shape, extra fine quality, and showing but little disposition to become woody, remaining solid and juicy for some time after fully grown; especially fitted for growing under glass in frames. Owing to very few leaves it can be sown thickly. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Golden Dresden** We recommend it alike for family garden and for market as one of the most valuable and quick growing radishes. Tops very scant, and admit of closest planting. It is perfectly round, smooth, and very attractive, light golden-brown skin. Flesh crisp, white, juicy and of finest flavor. Market gardeners can grow this new radish in the garden or force it, and depend upon a remarkably perfect, early, uniform crop. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c.

**BRIGHTEST LONG SCARLET**—Cardinal White Tipped—A new sort; resembles Early Long Scarlet in shape and size. Extraordinarily early, being fit for use in 21 days after sowing. It is the brightest scarlet we have ever seen in a radish; tips white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**GIANT WHITE STUTTGART**—A favorite German radish; grows quick, of large size; in shape like a large top; flesh and skin white; fine quality; firm and brittle never pithy; can be stored for winter. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c.

**EARLY FIRE BALL**—Pretty little fire-red round radish; small tap-root; small top; preferred by many for early forcing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

**GOLDEN GLOBE**—Perfect globe-shape and golden colored skin; quick grown; tender and brittle. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**GRAY SUMMER TURNIP**—A heat resister. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**ROSY GEM**—One of the earliest; perfectly globular; color rich deep scarlet at top, blending into pure white at the bottom; exceedingly tender and crisp; delicious; desirable for market and home garden. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**EARLY SCARLET GLOBE**—One of the earliest and best for forcing; its color is very handsome; flavor mild; crisp and juicy; stands a great amount of heat without becoming pithy; good for garden culture. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**Livingston's Radish Mixture** A mixture of over 20 choice varieties of early, medium and late radishes. You will certainly have radishes all summer, and be surprised at the results, if you give it a good place in the garden. For several years we have sent out large quantities of this mixture and the unanxious reports have been, "WE'RE HAPPILY SURPRISED." Large Packet, 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.35.



Early Scarlet Globe Radish.



Cut showing some of the Radishes grown from a package of Livingston's Mixture.



# RADISHES FOR ALL THE YEAR ROUND

**EARLIEST CARMINE OLIVE-SHAPED**—Earliest forcing radish known. Succeeds in the open ground, and takes only 20 to 22 days to form. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**WHITE OLIVE-SHAPED**—When grown from true seed, the root is very handsome, regular, olive-shaped, and a fresh, pure white: crisp and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**EARLY SCARLET TURNIP**—Very early; in great demand for home use. Small, round, with short top. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**SCARLET TURNIP, White Tip**—Handsome bright scarlet, whitetip. Many gardeners make a sowing of it every two weeks during summer; its fine appearance attracts customers; quality always pleases. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**LARGE WHITE SUMMER TURNIP**—The market gardeners' favorite. Round, smooth, and very white; crisp and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Chartier Scarlet, White Tip**—A distinct, exceedingly handsome and attractive sort. Color of the tip is scarlet rose, shading into pure waxy-white at the tip. Attains very large size before it becomes unfit for the table; undoubtedly the best all seasons radish for the open ground. Ready for use or market nearly as early as Long Scarlet Short Top; keeps crisp and tender two months. Planted late makes a good winter keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**CHARTIER LONG WHITE—Nonpareil**—Derived from the preceding, and in all respects similar, only that the color is pure white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.

**WHITE STRASBURG**—Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm, brittle, tender, and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for summer use, as it withstands severe heat and grows very quickly. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**EARLY WHITE TURNIP**—Pure white, with a small top. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**FRENCH BREAKFAST**—A variety of quick growth. Very mild and tender; one of the best for forcing; oval form, scarlet, tipped with white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**WOOD'S EARLY FRAME**—Ten days earlier than the Long Scarlet, which it resembles; excellent for forcing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**EARLY LONG SCARLET SHORT TOP**—An admirable sort for forcing; also the leading out-door quick-growing variety, both for private and market gardens the country over; grown in rich, high soil, its average length is about 8 inches; grows half out of the ground, straight, uniform in color, brittle end crisp; small tops; bright scarlet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**WHITE LADY FINGER—Long White Vienna**—Finest long white radish in cultivation. Beautiful shape; skin and flesh pure white; crisp; rapid grower. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c.

**NON PLUS ULTRA—Deep Scarlet Forcing Turnip**—The earliest forcing radish in cultivation. Roots small, round, deep rich scarlet; crisp, tender, white flesh. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

Sown in summer and used in the fall, or put away same as turnips. For winter use store in the cellar, or in pits with turnips.

**New Celestial**—A large, stump-rooted radish with white skin and flesh. Can be sown from July 1st to August 15th and will keep in prime condition. Mild in flavor, brittle and never woody like some winter varieties. Market Gardeners will find this a splendid seller and those who secure it first will make some money out of it. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**CHINESE ROSE—Scarlet China**—A bright rose-colored winter variety of excellent quality; certainly one of the best, and would be more generally grown by radish growers were it better known. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c.

**CALIFORNIA MAMMOTH WHITE**—Grown extensively by Chinese in California; 8 to 12 inches long and 2 to 3 inches in diameter; white, solid, of good quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c.

**LONG BLACK SPANISH**—Grows 6 to 8 inches long, 1 to  $\frac{1}{2}$  inches through at top; skin black; flesh white and firm. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**ROUND BLACK SPANISH**—Like above, except in shape. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**For Larger Quantities of Radish Seed Special Price will be made by letter.**

**For Cincinnati Market and other New Radishes, see Novelty Pages.**

## Winter Varieties.

### White Chinese

**White Chinese**—A large, stump-rooted radish with white skin and flesh. Can be sown from July 1st to August 15th and will keep in prime condition. Mild in flavor, brittle and never woody like some winter varieties. Market Gardeners will find this a splendid seller and those who secure it first will make some money out of it. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

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# Squash

## Livingston's Pie Squash

been known for years as "PIE SQUASH." It is claimed by some to be the same as Winter Luxury Pumpkin; this is incorrect, Livingston's Pie Squash being more smooth (showing no ribs whatever), and of more uniform growth in type and crop. We have always called it a Squash, inasmuch as the family from whom we first obtained our seed had always been in the habit of speaking of it as such. Whether Squash or Pumpkin, one thing is sure, it is FAR IN ADVANCE OF ANY PUMPKIN IN QUALITY. Skin similar to that of the golden russet apple. Flesh yellow and very thick, making them appear almost solid. Early, surprisingly productive, and a willing and hardy grower. All in all, we call it the grandest thing out for pies. Its size and attractive appearance make it a ready seller. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 60c.



White Bush Scallop Squash.

**White Bush Scallop**—"PATTY PAN," "CYMBLING"—The well-known summer squash; very productive; pure white; to be used when young and tender. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Mammoth White Bush Scallop**—An excellent large strain, earlier than the common stock, creamy white and averaging double in size; a prolific bearer; a splendid variety for market and the best of all for Southern shippers. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Mammoth Yellow Bush Scallop, or Golden Custard**—Decidedly the best strain of Yellow scallop. It has been selected and grown for years until it has doubled in size, and, at the same time, lost none of the other good points, such as earliness, quality and productiveness. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Colvin's Orange Marrow**—The skin has the appearance of a rough dark-colored orange. In flavor it is fully up to the Hubbard. Quality excellent when matured. It is ready for market very early, and if the early squashes are picked the vines keep bearing until frost. Good keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**NEW EUREKA—A First-Class Farmer's Squash**, profitable to grow for feed as well as market purposes. Flesh very thick and fine grained, and whether baked, steamed or boiled is of fine quality. Outside color is an attractive light grayish green. Its rough and uneven surface indicates its good qualities for the table. Weighs from 20 to 25 pounds, wonderfully prolific, a vigorous vine. When well matured its shell becomes quite hard, but not so much so but that stock can readily eat them. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 55c.



Mammoth Yellow Scallop, or Golden Custard Squash.



Livingston's Improved Cushaw Squash.

Squashes should not be planted until danger from frost is past, but get in the winter kinds as soon as possible, in order that they may mature. Plant in hills 5 feet apart for bush varieties and 6 or 8 feet for running varieties, putting 6 to 8 seeds to the hill, finally leaving but three plants. One ounce of Bush varieties for 40 hills, or of the large-seeded kinds, 15 hills; 2 or 3 pounds of the Bush, and 3 or 4 pounds of the large-seeded for an acre.

Some seedsmen insist on renaming this variety, calling it "Pie Pumpkin," etc., after it has



The Best For Pies.

Livingston's Pie Squash.



Fordhook Squash.

**FORDHOOK**—Convenient size for family use. Flesh dry and sweet, and seems incapable of rotting; if placed in a cool, dry room, keeps in a perfect condition throughout the winter and spring, until late in June. The thin, hard stem and roots, furnish absolutely no food for the squash borer. Maturing early, it is a sure cropper and immensely productive. Skin thin and meat thick; seed cavity small. May be used at any stage of growth. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 65c.

## Livingston's Improved Cushaw Squash

The genuine Cushaw of "ye olden times," and a great favorite. Very beautiful in appearance, being a distinct mottled green and white striped. Flesh yellow, solid, fine grained, very sweet, and excellent for pies; also good for baking. They average about 15 pounds, but on good rich soil 30 pound specimens are common, and even 35 to 40 pounders are found. They are hardy, and bugs seldom eat them, especially when other varieties are near. Can be grown among corn, same as pumpkins; and yield a good crop, but the better way is to grow them separately on good, rich soil, in hills 10 to 15 feet apart each way. Sets well on market, and should be in the hands of every grower. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



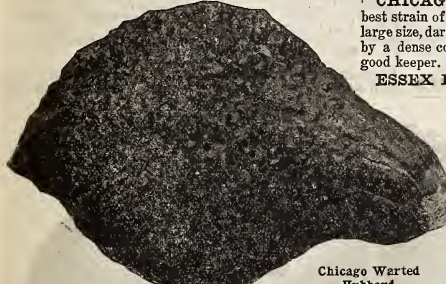


Golden Hubbard Squash.

offer a very carefully grown stock. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Pike's Peak, or Sibley**—Shell smooth, thin, and of a pale green color; the flesh is thick, solid, deep orange color, very dry, fine grained and delicate flavor. Weighs from 9 to 11 pounds, and are excellent keepers. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Mammoth Chili**—TRUE STOCK. Largest of all squashes. A rich orange; smooth; flesh rich bright yellow; keeps well throughout winter and spring; very productive; fine shape; fair quality; profitable for stock. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



Chicago Warty Hubbard.

## New Squash. Golden Hubbard

A sport from that old standard of excellence, the Hubbard; it is a perfect type of its parent, except in color; which is a bright deep orange-yellow; exceedingly showy and attractive. Flesh deep golden-yellow, much richer color than Hubbard, fine grained, cooks very dry, and of excellent flavor. In productiveness it exceeds the old variety. Its superior keeping qualities, combined with its rich, sweet flavor, attractive color and shape, make it a popular fall and winter variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 70c.

## True Hubbard Squash

Generally considered the best Winter Squash grown; flesh dark yellow, fine grained, dry and sweet, (many say "good as sweet potatoes.") It boils and bakes dry, and if plenty of milk is added it will make an excellent pie. It has a very hard shell, is productive, and will keep perfectly until spring. We



True Hubbard Squash.

**CHICAGO WARTED HUBBARD**—This seems to be, by all odds, the best strain of Hubbard Squash we have ever grown. Some of its good points are large size, dark green, almost black, color, all looking alike, and withal distinguished by a dense covering of knots ("warts"); thick fleshed, of first-class quality, a good keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 60c.

**ESSEX HYBRID**—RIPENS EARLY; one of the finest grained, richest flavored, most prolific and sweetest of the squash family, and keeps till the following June. Flesh very rich orange color, dry and solid. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Giant Golden Summer Crookneck**—A beautiful bright yellow, warty; bears early, all summer; very desirable for market or private gardens. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**New White Summer Crookneck**—A beautiful ivory white, warty squash of excellent quality. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 60c.

We can supply the well-known **MARBLEHEAD, CANADA WINTER CROOKNECK, FAXON, AMERICAN TURBAN and BOSTON MARROW**. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 55c.



## Salsify

(Vegetable Oyster.)

When properly cooked it is a good substitute for oysters in taste and flavor, and is very nutritious. In cooking the roots are usually boiled, or they can be mashed and made into fritters. Succeeds best in light, well-enriched soil. If it is necessary to use manure, it should be very fine and well rotted. Sow early in drills 18 ins. apart, 2 ins. deep, finally thin to 4 or 5 inches. Roots are perfectly hardy, and may remain out all winter. They are best after frost has touched them. One ounce for 50 feet of drill.

**WISCONSIN GOLDEN SALSIFY**—When prepared for the table this variety has a quality which, for DELICIOUS FLAVOR, EXTREME RICHNESS and TENDERNESS, has been unapproached by either of the old varieties. Its habit of growth is unlike other varieties; leaves are dark green in color, finely crimped and curled; roots have a slightly yellowish tinge. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 70c.; lb., \$2.25.

**MAMMOTH (Sandwich Island)**—This variety grows uniformly to an extra large size, averaging fully double the size and weight of the old white variety. Mild and delicious flavor. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.35.

**SCORZONERA (Black Salsify)**—Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

## Spinach



Round Summer Spinach.

er than most kinds. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

**ROUND SUMMER**—A standard sort with market gardeners for early spring; it stands the winter well, but is not quite so hardy as the Prickly; leaves large, thick and fleshy. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c.

**PRICKLY SEEDED**—The hardiest of all, therefore the best where the winters are severe. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c.

**IMPROVED THICK LEAF (Virolay)**—A decided improvement on Round Summer. Has very large, thick leaves of great substance. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c.

**CURLED-LEAVED SAVOY (Norfolk, Bloomsdale)**—The earliest variety; of upright growth; fine, large, tender, savoyed leaves. Grows quick but will not stand long. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c.

**NEW ZEALAND (Tetragonia Expansa)**—Withstands heat and drought and produces leaves in great abundance throughout the summer in hottest climates, where ordinary Spinach will not do well; should be sown in heat and transplanted 3 feet apart each way, into light, rich soil. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**LONG STANDING**—An improved strain; later in going to seed; especially desirable for market gardeners. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c.

For spring use sow early in drills 1 foot apart, and for succession every two weeks; as it grows thin out for use, keeping it clear from weeds. For fall use sow in August; for winter use sow in September in ground well manured, much with straw on approach of severe cold weather.

One ounce for 100 feet of drill; 10 lbs. for an acre.

**NEW VICTORIA**

Quick to mature; large, exceedingly thick leaves, savoyed in center. Remains in condition for use much longer than most kinds.

## Sorrel

Of easy growth; cultivated for its leaves, which possess a fine flavor when boiled and served like Spinach; also makes a good soup.

**BROAD-LEAVED FRENCH**—The best variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

# Tomato

For very early fruit the seed should be sown in a hot-bed about the first week in March in drills 6 inches apart and half inch deep. Later sowings may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seed in a shallow box or flower pot and placing in a window in the house. When the plants are 4 or 4 inches high they should be set out 4 or 5 inches apart in another hot-bed or cold frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as the vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the plants. Tomatoes will admit of training to stakes or trellises, and the fruit is very much improved, not only in appearance but in quality. This mode of cultivation is quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plants up with wood or other strong, soft twine, pruning out quite freely as vines advance in growth. By this method plants may be set much closer than in the ordinary way. For fine, large specimens of high color and attractive appearance generally, grow the clusters of the fruit in paper sacks, as is commonly practiced by grape growers. The sacks should be put on when the tomatoes are about three-fourths grown.

About 2000 plants from one ounce of seed is a safe estimate.

They all want them. W. S. HANDLEY, Kansas. "I ship tomatoes extensively, and all my customers want the Stone. The Beauty and Stone are the two standards. Never fail to give satisfaction. I have tried all kinds the past 10 years, and never expect to get anything to equal the Stone. The demand for them increases each year, until now everybody wants them."

## Packet Prices of the Livingston Varieties

Stone.

Beauty.

## Livingston's Stone.

Introduced by us in 1891. This variety has obtained great favor with canners, Southern growers, and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points.

Price—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 70c.; lb., \$2.50.

First and Second Premium. G. WILSON, Mich. "The Stone did the best of all. I had no 14g call for them. Took First and Second Premiums at the Fair."

Livingston's Stone.

Prof. W. B. ALWOOD, Agricultural Exp. Station, Blacksburg, Va. "Your Beauty Tomato was superb, as usual, and gave us magnificent fruit. We consider it the standard by which comparison of other sorts is made, and are also using it exclusively for winter forcing."

For 16 years extensive trials have been carried on in a most thorough and practical manner by these gentlemen and assistants.

## New Varieties and the Growing of Large Quantities our Specialty.

No Establishment in the World Makes such a Specialty of Tomato Seed Growing as ourselves.

In making this claim we mean actual growing. Some who claim to be extensive growers in this line, we find raise a large portion, not their entire output at the back door of some canning factory, simply washing out seed from the refuse. Such seed may contain a mixture of half a dozen or more varieties.

This "Vegetable Fruit" has become indispensable to house-keeping in this and many other countries within the past 25 years, and which, we feel, without boasting, is largely due to the excellent qualities of the varieties bearing our name.

The Fame of the Varieties originating with and introduced by us has extended to every Country on the face of the Globe where the Tomato can be grown.

Our first Tomato, the "Paragon," was introduced in 1870, after working five years to bring it to a high state of perfection. It was the first and only strictly smooth red tomato ever sent out up to that time, and is so good today, in our hands, as when introduced 31 years ago, showing no signs whatever of degenerating. In 1875 the first perfectly smooth purple tomato, the "Acme," was introduced by us. Since that time we have introduced 14 of the best standard and most distinct varieties ever brought before the tomato growers of the world. They were introduced in the following order:

"Perfection," in 1880.	"Gold Ball," in 1892.
"Golden Queen," in 1882.	"Buckeye State," in 1893.
"Favorite," in 1883.	"Aristocrat," in 1893.
"Beauty," in 1886.	"Large Rose Peach," in 1893.
"Potato Leaf," in 1887.	"Ebon Bright," in 1897.
"Stone," in 1891.	"Dwarf Yellow Prince," in 1898.
"Royal Red," in 1892.	"Magnus," in 1900.

Regular Size, 10c. each, 3 for 25c., one or more kinds.  
Half-Size Packets, 5c. each, 6 for 25c., one or more kinds.

## Livingston's Beauty.

Introduced by us in 1886. A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape and excellent in quality. Color a very glossy crimson with a tinge of purple. Grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. Ripens with Acme and Perfection, and is entirely free from ribbed and elongated fruit. Flesh very firm, has a tough skin and but few seeds. Seldom rots or cracks after a rain like many of the tender skinned sorts. For shipping and early market it cannot be excelled, on account of solidity, toughness of skin, and especially its handsome color, can be picked quite green, look well, ripen nicely and keep perfect a week after ripe. Used largely by marketmen and long distance shippers. Price—Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 70c.; lb., \$2.50.

Livingston's Beauty.

Prof. W. J. GREEN, Horticulturist Ohio Experiment Station. "At the Station we have found, after many trials, no better or more productive variety than Livingston's Beauty for forcing under glass; and next to it, in my opinion, comes Livingston's Stone."

## THE BEST FOR UNDER GLASS.



Livingston's

## Buckeye State Tomato.

## The Largest

Smooth Tomato in the World.  
Bearing the Livingston Name.  
Clustered of any Variety.  
Tomatoes in the Clusters.

(Introduced by us in 1893.)

It averages at least one-half larger than Livingston's Beauty. Many "mammoth" sorts have been introduced of late, but on first trial they are rejected on account of their rough and uneven surface, if for nothing else. When, therefore, we state that in addition to its very large size, it is also smooth and uniform, like all the other sorts introduced by us, we are sure we have said enough to enlist the attention of Tomato Growers everywhere. This is not all, however, for although its large size might lead some to believe the fruits are few in number, yet the fact is, it is even more prolific and abundant in fruit than most any of the standard sorts now in cultivation. It is unquestionably the heaviest cropper known. The tomatoes are borne in immense clusters of four to eight extra large fruits, and occasionally on large fruits have been found in single clusters. It matures with the Livingston's Stone. In solidity and meatiness it has no equal and in desirable quality none surpasses it. The color is much the same as Livingston's Beauty, but of a somewhat darker shade, and this, together with its very large size and clear-cut outlines, make it very showy and striking when displayed for sale. For seven years we have grown this variety by the ordinary method, as well as on stakes, on our Tomato Farm near this city, and the tomatoes were the admiration of all visitors.

PRICE OF CHOICE SELECT SEED—Pkt., 10c;  
½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

F. M. FRAZER, Adair Co., Ky. "I have won the prize every year at our County Fair for five years on Livingston's Buckeye State Tomato."

J. C. BROWNEBRIDGE, Van Buren Co., Mich. "I had a cluster of 13 Buckeye State Tomatoes growing on one plant that weighed 17½ lbs. I would have sent them to you but I let them get too ripe. I had them on show up town and they were a sight."

BOLIVAR LUCKETT, Toristell, Mo. "Your Buckeye State Tomato is unsurpassed for beauty, quality and size by anything we ever grew in the tomato line. I heartily recommend it to all lovers of good tomatoes."

(Introduced by us in 1893). This fine early variety

in habit of growth and foliage resembles the Dwarf Champion very much, and is not to be taken for that popular variety. If it were not for the color of its beautiful rich, glossy red fruit, so much preferred in many localities to the purple or rose-colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present standard of excellence. It is a very desirable variety for forcing under glass, especially on the side benches, and for growing outside for early market. May be planted two by three feet, or even closer, making it also suitable for small gardens, where every foot of land is to be utilized. Its peculiar dark green foliage and glossy red fruit attract attention of every passer-by.

PRICE—Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**Livingston's Early Acme.** (Introduced by us in 1875.) The Earliest Real Good Tomato, especially for early market use. Probably there is no one variety so well known and generally cultivated throughout the United States, both for early and main crops. Plants are of strong and vigorous growth, very productive; fruit of medium size, perfect form, round, slightly depressed at the ends and very smooth (never rough); color a glossy red, with purplish tinge; ripens all over and through at the same time.

PRICE—Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Livingston's Early Perfection.** (Introduced by us in 1880.)—An improved Acme with a red skin, somewhat larger, fully as early, has more solid flesh and fewer seeds, and produces more and larger fruit at the close of the season. Invariably smooth and of a handsome blood-red color. Some canners and main crops. Plants are of strong and vigorous growth, very productive; fruit of medium size, perfect form, round, slightly depressed at the ends and very smooth (never rough); color a glossy red, with purplish tinge; ripens all over and through at the same time.

PRICE—Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Livingston's Favorite.** (Introduced by us in 1883.) The Cannery Favorite and one of the best and largest perfect shaped Red Tomatoes in cultivation. Ripens evenly and early, holding its size to the end of the season; free from cracks, very prolific, good flavor, few seeds, flesh solid, bears shipping long distances. It is used extensively in the canning sections of Maryland, and has been generally grown for years for canners' trade throughout the United States.

PRICE—Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

BUCKEYE STATE

(Introduced by us in 1870.) Our first introduction, and, although it is thirty years since we first

offered it, we have kept it up to its original standard, and it has to-day the preference in many localities. Many gardeners, canners and catnip makers will have no other. It is a large sized variety, larger than several of the standard kinds cultivated. An immense cropper. Flesh is solid, well colored and flavored. Ripens between the early and late season. Color of skin glossy deep red.

PRICE—Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Livingston's Royal Red.** (Introduced by us in 1892.) This fine variety is worthy of a prominent position alongside of its renowned predecessors already bearing the "Livingston" name, which are well and favorably known to-day by everybody, because they were all that was claimed for them, and even better than expected. A first-class main crop variety. Everybody is attracted by its beautiful red color and handsome general appearance.

PRICE—Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Livingston's New Magnus Tomato.** See Novelty Pages.

## Caution

TO BE SURE of seed grown by us INSIST on having it in packages bearing our registered TRUE BLUE SEAL.

Large quantities of spurious seed are sold annually as Livingston's by unprincipled persons, hence we give this warning.

THE SEED WE OFFER WAS SAVED FROM CHOICE SELECTED FRUITS of true original type, and cannot fail to please the most critical grower.



Packet Prices of the Livingston Varieties. { REGULAR SIZE, 10 cts. each, 3 for 25 cts.—one or more kinds.  
HALF SIZE, 5 cts. each, 6 for 25 cts.—one or more kinds.

Enormous Success  
Quarter Century

Livingston's New Dwarf Tomato, **Yellow Prince.**

(Introduced by us in 1898.)



Livingston's Yellow Prince.

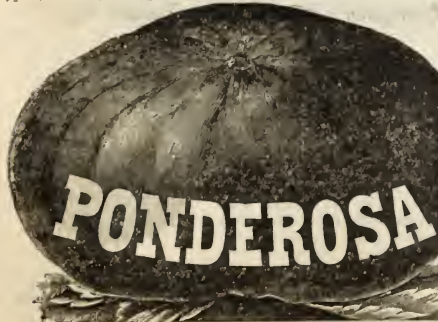
**Livingston's Potato Leaf.** (Introduced by us in 1887.) A distinct potato-leaved sort. The fruit is *always* smooth, medium large, very firm, and of desirable quality. It is second early, everbearing until killed by frost, and it takes a pretty sharp frost or two before the fruit is injured, being protected by the thick, broad leaves. It has a strong vine and resists the wind remarkably well; an excellent variety for growing on trellises or tying up to stakes, and for hot climates, the leaves protecting the fruit from the scorching rays of the sun. Price—Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Livingston's Gold Ball.** (Introduced by us in 1892.) It is a beautiful early yellow variety, and no other yellow sort, except our Golden Queen, can approach it in quality. Flesh thick and of extra good quality; not so large as Golden Queen; smooth as an apple and of a handsome color; grown in clusters; produces enormous crops. Price—Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

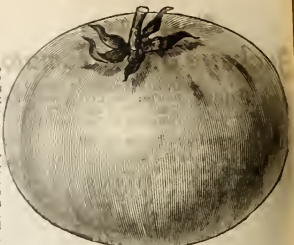
**Livingston's Large Rose Peach.** (Introduced by us in 1893.) It has all the general characteristics belonging to this singular and distinct class of tomatoes, but is larger than any Peach variety yet brought out. It is a profuse bearer until killed by frost, and has the agreeable mild flavor, as well as the sufficed coloring and the peculiar peach-like bloom or furze on its surface. It seldom rots. Price—Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.75.

**Dwarf Champion.** We make a specialty of this very distinct variety, and have grown a number of acres every year since its introduction. A single plant of it was first found nearly fifteen years ago in a field of Livingston's Acme. Its dwarf, compact and upright growth enables it to be planted two or three feet apart each way. Heavy manuring, instead of producing a superabundant growth of vine (as in many varieties), increases the yield and size of the fruit. In form and color they resemble Acme—smooth and symmetrical in shape, ripening close around the stem. Matures the fruit early, is very productive, medium large, and crowded close together on the branches; foliage an unusually dark green. True Stock—Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**PONDEROSA.**—The fruit ripens quite early and keeps on coming until very late, of immense size, solid, almost seedless, and of good subacid flavor. The fruits are somewhat scattered on the vine, and quite a percentage are too rough to please most growers. A very good tomato for home use. When ripe it is apt to remain somewhat green around stem end, and it seems to ripen on the inside first, and on this account should be picked when it appears to be about three-fourths ripe. Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75.



is rank and sturdy, but compact, growth makes it very interesting to cultivate, and this, together with its beauty and usefulness, will delight every lover of a good sort. On account of its manner of growth a dozen plants occupy only two square yards. It is as early as the Dwarf Champion. The texture is solid, and the flavor desirable, in this respect differing from many other yellow sorts, which are mostly deficient in flavor. In large size and beauty of form it compares favorably with Livingston's Golden Queen, which stands easily at the head of all varieties of its class. When sliced with red or purple sorts it is highly ornamental as well as most pleasant to the taste. It cannot fail to become a prime favorite in every private garden, and will also suit market growers better than any existing sort. Extra Selected Seed—Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c; 4 oz., \$1.00.



Livingston's Golden Queen.

**Livingston's Golden Queen.**

(Introduced by us in 1882.) "Queen of all the Yellows." Its superior flavor has brought it into general favor as a table fruit. It is large and smooth, entirely free from ridges, large in size, ripens early, and is the most beautiful yellow variety ever sent out. The larger and riper fruits are sometimes tinged with red at the blossom end. The handsome, golden-yellow slices make a beautiful contrast in a dish with red sorts. It has very little acid, and the quality is excellent. Fine for preserves. Price—Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Other Varieties.**

For years past we have aimed to give all new varieties of Tomatoes offered a thorough test for quality and comparative notes on our trial grounds near this city, which are under our personal supervision. Not only that we may keep abreast the times on the Tomato question, but posted on varieties, and in position to offer those deserving of introduction as fast as brought out. Our limited space in this department of our catalogue will not admit of full and extended description of the various varieties. The stocks we offer below we recommend as good as any offered by our competitors or the original introducers.

**Burbank Preserving.** Originated with Mr. Luther Burbank, the world-famous hybridizer. The stiff stems stand very erect until about one foot high, when, unless pruned or supported, they become semi-trailing. The rich, dark green leaves, although of good size, are very compact and heavily blistered. Its bright scarlet, round fruits, are borne abundantly in clusters, and is of a rich, sweet flavor. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c.

**NEW IMPERIAL.**—Is a purple sort, ripens well around the stem, is very thick mottled and solid; although it is claimed to be extra early we have not been able to ripen it a day earlier than Beauty, nor do we find it as productive. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**EARLY RUBY.**—A REAL EARLY VARIETY. A single plant of it was first observed in a field near Livingston's Perfection. The fruit, although not so large or so smooth, ripens earlier than Perfection. The open habit of the plant admits the sun and ripens the fruit, which is compact around the base of the plant, and the whole crop ripens very early. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**MIKADO, OR TURNER'S HYBRID.**—In color a purplish red; quality good when ripened; foliage distinct; generally quite smooth, but always some rough ones. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

**TROPHY, TRUE.**—Fruit very large and generally smooth; solid, good flavor, and very productive. Choice selected seed, as good as it can be grown. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**ATLANTIC PRIZE.**—One of the EARLIEST of ALL; not only ripens its fruit very early, but in a large proportion of the crop earlier than most any other sort. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**MATCHLESS.**—A rich cardinal red. Large size. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

We can supply the following varieties at the uniform price of—Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

May Flower, Red Queen, Early Conquerer, Lorillard, Hathaway's Excelstor, Canada Victor, Essex Hybrid, Cincinnati Purple, Advance, Optimus, Ignomtum, Fordhook, Early Michigan, Cumberland Red, Liberty Bell, Volunteer, Cardinal, Long Keeper.

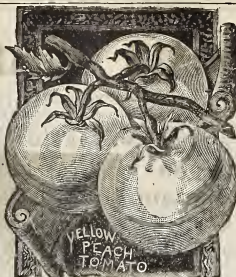
Also many other varieties and a host of "re-names," or sold to be new Tomatoes at customary prices.

E. J. DEITRICH, Texas.—I picked some of your Buckeye State Tomatoes this spring, and I gleaned some that weighed  $1\frac{1}{2}$  pounds. I took 400 pounds to town and had them weighed and they averaged 1 pound. I have opened the eyes of the truckers this year on tomatoes. I have come to Denver and they got there all right. I have several parties wanting to send with me for seed this fall. I have been planting your tomato seed for four seasons and I must say they are always a little better than you represent them.





Purple Peach Tomato.



## New Peach Tomatoes.

**PURPLE PEACH**—This striking and peculiar variety resembles some varieties of peaches so closely in size, shape, color and general appearance that it is frequently taken for a real peach. It seems to have the real bloom or furze of the peach upon its surface. In color, a deep rose blended with orange amber; it is productive, comes early, and lasts until frost, and never rots. Its equal in delicacy of flavor does not exist in the Tomato family. The skin is thin and peels off like that of a peach. It is very ornamental. Pkt. 5c;  $\frac{1}{2}$  oz. 15c; oz. 25c;  $\frac{1}{4}$  lb. 80c; lb. \$3.00.

**YELLOW PEACH**—Differs from the above in color only, being a rich golden color and having the bloom or furze of a peach upon its surface. Pkt. 5c;  $\frac{1}{2}$  oz. 15c; oz. 25c;  $\frac{1}{4}$  lb. 80c; lb. \$3.00.

### Small Tomatoes.

Excellent for Preserves, Pickles and Pies.

Red Currant.....	Pkt., 5c.	Yellow Plum.....	Pkt., 5c.
Red Cherry.....	Pkt., 5c.	Yellow Cherry.....	Pkt., 5c.
Red Pear-Shape.....	Pkt., 5c.	Yellow Pear-Shape.....	Pkt., 5c.

Prices of any of the above named varieties by the  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.

## Husk or Strawberry, Winter Cherry, etc.

This delicate husk enveloped Tomato is unequalled for making preserves and pies. Dried in sugar, as raisins or figs or to use in fruit cake, they are unexcelled. They are handsome in color and keep until mid-winter or longer. They have a strawberry flavor, and produce fruit in great abundance. Aside from being a great curiosity and very attractive, they sell first-rate in market, and are rapidly becoming very popular.

**PURPLE HUSK**—This new and beautiful variety produces fruit in great abundance, from one to two inches in diameter, enveloped with a husk. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.

**GOLDEN HUSK**—Fruit a handsome golden color, the size of large cherries; much esteemed by many to eat from the hand; makes an excellent pie. The recipe for making the pie will be found on the packet containing seed. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.



Cherry.



Plum or Pear.



Red Currant.

## White Milan Turnip

For early crop, sow in latter part of April; for fall and main crop from middle of June until last of August.

One pound is sufficient to sow an acre.

**EXTRA EARLY PURPLE TOP MILAN**—A new, early, very white variety, with purple top and strap leaf; mild and sweet. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 70c.

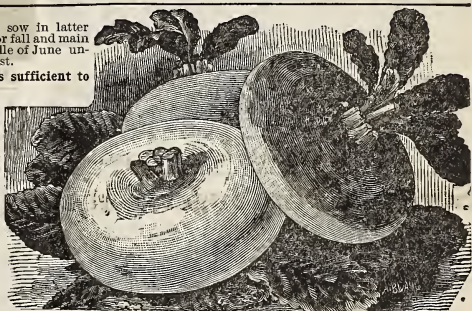
**EXTRA EARLY WHITE MILAN**—Same as above, except it is pure white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 80c.

**SCARLET KASHMYR**—Of beautiful pinkish color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**EARLY FLAT DUTCH OR WHITE TOP STRAP-LEAVED**—A standard variety; good size; pure white; small top, with but few leaves; very sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 45c.

**EARLY WHITE EGG**—An egg-shaped variety for spring or fall sowing; flesh white, firm, fine grained, mild and sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 45c.

**YELLOW STONE**—One of the best yellow-fleshed varieties for table use, and equally good for feeding stock. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.



Early White Flat Dutch.

Purple Top Strap Leaf.

**PURPLE TOP STRAP-LEAVED**—The well known, popular variety, either for family or market use; large size; white, purple above ground; flesh fine grained. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 40c.

**LONG WHITE, OR COW HORN**—Grows very thickly partly above ground; very productive; flesh white, fine grained, sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**PURPLE TOP WHITE GLOBE**—A variety of decided merit. Globular shape, very handsome, and of superior quality, either for the table or stock. It is a heavy producer, early, of rapid growth, and an excellent keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**YELLOW GLOBE, OR AMBER**—Flesh firm and sweet; grows to a large size; excellent for table use or stock, and keeps well until late in the spring. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**GOLDEN BALL OR, ORANGE JELLY**—Rapid growing globe-shaped; bright yellow; superior table variety, or for stock. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**LARGE WHITE GLOBE**—A large round, white turnip, with firm sweet flesh. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.



Improved American Ruta Baga.

## Ruta Baga Varieties.

The Ruta Baga varieties should be sown a month earlier than Turnips, as they require longer to mature.

**IMPROVED AMERICAN**—(PURPLE TOP)—Very hardy and productive; flesh yellow, sweet and solid; good for stock or table use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 45c.

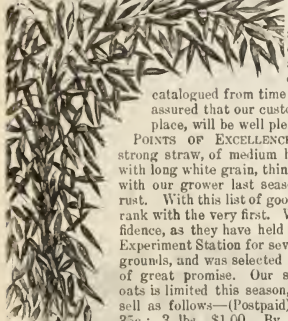
**WHITE RUSSIAN, OR LARGE WHITE**—Grows very large; excellent for table or stock; flesh firm, white and solid; has a very rich and sweet flavor. The best keeper of any. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 45c.

**LONG ISLAND IMPROVED PURPLE TOP**—This is undoubtedly the finest variety of Purple Top Ruta Baga, and is twice the size of the ordinary stocks. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

# Miscellaneous Farm Seeds.

The prices given below are **NET CASH**, free on cars, this city, purchasers paying all transportation charges. At the prices quoted here we make no charges for bags or cartage. The prices quoted are subject to market fluctuations. Should any article seem high, or when customers are in need of large quantities, we will be pleased to quote them, on application, the **LOWEST PRICE THAT THE MARKET WILL JUSTIFY AT THE TIME**. Our Seed Oats are well cleaned and well Fanned.

## Seed Oats. Green Mountain Oats.



We are pleased to be able to add this splendid Oats of the Wide-awake Group to the list of new and choice Oats catalogued from time to time by us, and feel assured that our customers, who give them a place, will be well pleased with them.

POINTS OF EXCELLENCE are, medium early, strong straw, of medium height, heads well-filled with long white grain, thin hull, good yielder, and with our grower last season showed no smut or rust. With this list of good points they must take rank with the very first. We offer them with confidence, as they have held their own at the Ohio Experiment Station for several years on the trial grounds, and was selected from its group as one of great promise. Our stock of this valuable oats is limited this season, but while it lasts will sell as follows—(Postpaid), large pkt., 10c.; lb., 35c.; 3 lbs., \$1.00. By Express or Freight—

Peck, 45c.;  $\frac{1}{2}$  bus., 80c.; bus. (32 lbs.) \$1.50. SACKS FREE.

**EARLY WHITE SWEDISH OATS**—We introduced to our trade some four years ago this valuable new variety, and find it fully up to our claims and expectations. It has been well tested in various localities. It is early, white and productive, with a good straw. Postpaid—lb., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 30c.; bus. (32 lbs.) 80c.; bag of 2 $\frac{1}{2}$  bus., \$1.75; 5 bus., \$3.25; 10 bus., \$6.00. SACKS FREE.

**AMERICAN BANNER**—Invariably yields large crops. Grains large, white and plump; ripens early; has stiff straw of good length. Postpaid—lb., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 30c.; bus. (32 lbs.) 80c.; 5 bus., \$3.25; 10 bus., \$6.00. SACKS FREE.

Special Prices on Larger Quantities of Oats on Application.

## Sorghum, or Sugar Cane.

It has been, and still is, a grave question with stockmen and dairymen to know what forage crop to grow, and how to grow it, so as to lessen the cost of wintering their herds or ride them over a protracted drouth and still keep them in a thriving condition. We believe we have found the **CURE** in our selected Sorghum Seed. After several years trial we give it as our opinion that Sorghum will produce the best results at the least expense of any forage plant now in use. When properly planted, grown and harvested it has produced from 5 to 12 tons of cured fodder, of excellent quality, per acre. On account of its drought enduring qualities and ability to adapt itself to varying conditions of soil and climate, together with its feeding value, makes it one of the best crops that can be grown for forage. Enough seed should be sown to have the stand thick, like rye or wheat, and we would advise 1 $\frac{1}{2}$  to 2 bushels seed per acre. Have your land in fine condition and use an ordinary wheat drill, all holes open, and cover from one-half to two inches deep. Sow from 15th of May to 15th of June. When properly matured, cut with a corn harrow (making bundles small) and after one to three days sun put into shocks loosely, two and two; do not attempt to keep a large bulk of sorghum hay in mows unless thoroughly cured. If to be stacked, build stacks long and narrow. For this latitude there are no better varieties than the **Early Amber** and **Early Orange**, and give entire satisfaction for forage or syrup.

**EARLY AMBER CANE**—The earliest, and makes the finest quality of both forage and syrup. Well cleaned seed. Postpaid—oz., 10c.; lb., 30c.; 3 lbs., 75c. By Express or Freight—10 lbs., 50c.; 50c., \$1.75; 100 lbs., \$3.00.

**EARLY ORANGE CANE**—A strong grower; stalk heavier and a little later than the Amber. Well cleaned seed. Postpaid—oz., 10c.; lb., 30c.; 3 lbs., 75c. By Express or Freight—10 lbs., 50c.; 50 lbs., \$1.75; 100 lbs., \$3.00.

Subject to Market Changes Write for Prices on Larger Quantities.



## OUR NEW EARLY RIPE OATS.

This grand new Oats, introduced by us two years ago, has maintained in a broader field all the good qualities we claimed for it. It is an oats of medium length straw, stands up well, grain white, medium size and a good yielder. Two years ago we grew 65 bushels per acre on our own farm without any special preparation, and have reports of 85 bushels and over from other growers. **Extreme earliness is a very strong point.** The grower of this variety can cut his wheat and oats at the same time, going from the wheat field to the oats, thus finishing the harvesting and threshing of both crops at once, which is a great advantage to most farmers. We had known this oats for several years, and tried it in various sections in order to satisfy ourselves of its merit before introducing it, and, after two years' trial in the hands of the public, we continue to give it our fullest indorsement with full confidence that it will satisfy every grower who wants an early variety of great merit. Postpaid—4 oz. pkt., 10c.; lb., 30c.; 3 lbs., 75c. By Express or Freight—Peck, 35c.;  $\frac{1}{2}$  bus., 60c.; bus. (32 lbs.) \$1.00; bag, (2 $\frac{1}{2}$  bus.) \$2.25; 5 bus., \$1.25; 10 bus., \$8.00. SACKS FREE.

Pickaway County, Ohio, June 22, 1900.—I cut today in good order and put in shock my crop of "Early Ripe Oats." The straw was short, but fine heads and well filled.—A. C. Notstine.

**Japanese Barnyard Grass.** (*Panicum Crispus Gallii*) In a moderately moist soil, and may be sown from the middle of May until the first of July. Is quite distinct from other varieties; enormous crops, grows six to eight feet high, excellent either green or cured as hay. By Express—Per lb., 20c.; 25 lbs., \$3.50. 25 lbs. will sow an acre.

## Barley, New White Hulless.

**Hulless, Beardless, and Early**—Yields well on poor land, enormously on good; hulless when threshed. Price—(postpaid)—lb., 25c.; 3 lbs., 75c. By Express or Freight—Peck, 75c.; bus., \$2.00.

**Teosinte.** A most prolific forage plant. Four pounds of seed is sufficient for an acre. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 35c.; lb., \$1.25.

**Chufas, or Earth Almonds**—A species of "grass nut," much used to fatten hogs. One peck of seed per acre. Pkt. 10c.; qt. 35c. By Express—Peck, \$1.50.

**Wild Rice** (*Zarania Aquatic*)—For fish ponds. Postpaid—Large packet, 10c.;  $\frac{1}{2}$  lb., 15c.; lb., 30c. By Express—10 lbs. for \$2.50.





## Dwarf Essex Rape.

This plant is extensively grown for forage, especially for sheep, and for green manure, for which purpose there is perhaps no plant better adapted where a QUICK, RANK growth is desired. Farmers who raise much stock and desire to get young cattle, sheep, lambs or young hogs into favorable condition can do it most cheaply by growing this rape. Prepare the ground as for turnips, and sow in June or July, with a turnip drill, in rows 2½ feet apart at the rate of 2½ lbs. of seed per acre. Is not used for hay, and when eaten down before it has made its full growth, will grow up again with more or less vigor. Our stock is the rare ESSEX DWARF, and not the worthless annual. Postpaid—Oz., 10c.; ¼ lb., 15c.; lb., 30c. By Freight or Express—10 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$3.00.

## Kaffir Corn

THE GREAT DRY WEATHER CROP. This non Saccharine Corn is one of the best forage crops of late introduction for the salvation of the Kansas and western stockman. It is the greatest grain producer of the cane family; the heads are large and contain numerous small, white seeds, that are greedily eaten by all domestic animals and fowls; fed in the grain or ground and cooked. Valuable also as a substitute for buckwheat flour. Sown at the rate of 5 to 7 pounds per acre and cultivated same as corn; average yield about 50 bus. per acre. For hay sow in drills from 18 to 30 inches apart with the ordinary grain drill at the rate of 1 to 1½ bus. per acre and cut when seed is coming to the dough stage; makes a very valuable hay of good quality and will yield from 3 to 10 tons per acre. Try a few bushels and surprise your herd with plenty of feed. By Mail Postpaid—oz., 5c.; ¼ lb., 10c.; lb., 25c.; 3 lbs., 50c. By Express—10 lbs., 50c.; 50 lbs., \$1.50.

## Barley, New Beardless Success.

**SUCCESS BARLEY**, earliest known; straw about the height of common barley, but better, and will stand up on any land; with good land and season has produced 80 bus. per acre. It will, if sown early, ripen 4 or 5 days before rye, and being beardless handles as easily as oats and makes a stronger feed. Price, (postpaid)—lb., 25c., 3 lb., 60c. By Express or Freight—Peck, 40c.; bus., \$1.25.

**J. W. WAGNER, Lincoln Co., Ky.** "Your Beardless Barley is one of the best things to grow in the way of small grain that has been produced for many years. Gives a great yield on good ground, much easier threshed than wheat, stands well, straw stiff and will not blow down. Very profitable. One acre is worth three of oats for feed."

## Early Soy Bean.

The Soy Bean is coming right to the front as a great soil enricher, as a food for hogs and cattle, both in the green and dry state. In some parts of the South it is extensively grown only for feeding pigs, and the Agricultural Bulletin throughout the Southern States praise same without stint. If you wish same to plow under in the green state, it is certainly one of the very greatest plants, next to Cow Pea, to sow, on account of its remarkable qualities. It will draw from the air and return to the earth just the nourishment and properties that you are looking for. Circular on Soy Bean free on application. Price—Postpaid—Pkg., 10c.; 40c. By Express or Freight—Peck, 90c.; bus., \$3.25.

## Hairy Vetch.

The most valuable of all the Vetches. It succeeds on all soils, and does not suffer from extremes of drought, heat or cold. Sown in August or September, it will cover the ground with a dense forage, which in the Southern States, will afford abundant pasture throughout the entire winter. In the Northern States it remains green thrice, and in the Northern States, where Clover is winter-killed, the value of the Hairy Vetch is inestimable. Sown in spring, it quickly produces a most luxuriant crop. Sow 4 to 50 lbs. per acre. Postpaid—Pkt., 10c.; lb., 25c. By Express or Freight—Bus. of 60 lbs., \$4.00.

**SPRING VETCHES, or TARES**—A good forage plant; also used for plowing under. Sow 2 bushels to the acre, broadcast like wheat or barley. Used in France and Canada as a substitute for peas; also ground into flour and mixed with wheat flour for making bread. Postpaid—lb., 25c. By Express—4 qts., 50c.; peck, 90c.; bus., \$3.00.

**Mammoth Russian Sunflower.** Grows to double the size of common Sunflower, and yield of seed twice as great. 125 bus. to the acre have been grown at less expense than corn. Very highly recommended for poultry; best egg-producing food known. Seed good feed for horses. By Mail (Postpaid)—Oz., 5c.; ¼ lb., 15c.; lb., 25c. By Express or Freight—10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$6.00.

## Broom Corn.

**IMPROVED EVERGREEN**—Best variety for general cultivation, on account of color and quality of brush; ripens very early, grows about 8 to 10 feet high, brush of good length, fine and straight, and always of green appearance when ripe. Postpaid—lb., 25c.; 3 lbs., 60c. By Express or Freight—10 lbs., \$1.00; 25 lbs., \$1.50; 100 lbs., \$3.50.

## Winter and Spring Wheat, Rye and Barley.

Prices on Application in Season on Several Good Kinds

## Buckwheat.

Should be sown about the middle of June, broadcast, using from 1 to 3 pecks of seed to the acre. **NEW JAPANESE**—This new sort has proven to be much earlier and more productive than any other variety. Grains very large and of a rich brown color. It excels all in yield and earliness. Postpaid—lb., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 40c.; bus., \$1.25.

**SILVER HULL**—A very good and popular variety. The grain is of a light gray color, is rounder than the common variety, has a much thinner hull; matures earlier, and yields a half more to the acre. Postpaid—lb., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 40c.; bus., \$1.25.

## Field Peas.

**CANADA FIELD PEAS**—Valuable for Northern climates for cattle feeding, and when sown with clover are excellent hog feed. Used as feed for pigeons, etc., and for green soiling. Postpaid—Quart, 30c. By Express or Freight—Peck, 40c.; bus., \$1.35.

## Cow or Southern Peas

There is no surer or cheaper means of improving and increasing the productiveness of our soils than by sowing the Cow Pea. It makes an enormous growth, enabling the farmer to put plenty of nitrogenous vegetable matter into the soil at a small cost, and so very largely enables him to dispense with the use of nitrogenous commercial fertilizers, and has the power to extract this costly nitrogen from the atmosphere and to store the same in the vines and roots so that if the crop is cut off, the land is still enriched and its condition improved. From 5 to 9 tons of green fodder per acre have been produced by the Cow Peas. To grow for hay they are most valuable. The bacon made from hogs fed on Cow Peas is much sweeter and more palatable than the fat will not run out in cooking nearly so much as when fed on corn. For ensilage they are unsurpassed. When it is desired to turn the whole crop under as a soil improver, it is better to do so after the vines are partly dead. A good picking of the dried peas can be made before plowing under. Cow Peas can be sown in May or June, at the rate of 1 to 1½ bus. per acre.

**BLACK**—Quick to mature; well adapted for late planting and Northern sections; a vigorous grower and great yielder. Peck, 50c.

**WHIPPOORWILL**—An early bunch growing variety; a great favorite in the North and West; quite prolific. Peck, 50c.

**BLACK-EYE**—A prolific vine-growing variety of merit; seed often sold for table use. Peck, 50c.

Market price on Cow Peas changes often. Write for prices on bushel or over when ready to buy.

## Peanuts.

**VIRGINIA IMPROVED**—The Mammoth Foot Peanuts are a most valuable and profitable crop, and are easily cultivated; very erect stem, upright foliage; largest pods and kernels of any variety; also yields fewer imperfect pods. The vines make a valuable forage for stock. By Mail (Postpaid)—Large package, 10c.; ½ lb., 20c.; 1 lb., 35c.; 3 lbs., \$1.00. By Express—4 lbs., 50c.; 10 lbs., or over, 10c. per pound.

**SPANISH PEANUT**—Earliest Variety Grown—Pods small, remarkably solid, well filled, and the yield per acre very large; best variety to grow for fattening hogs. Postpaid—Large package, 10c.; ½ lb., 20c.; 1 lb., 35c.; 3 lbs., \$1.00. By Express—4 lbs., 50c.; 10 lbs. or over, 10c. per pound.

## Tree Seeds.

**OSAGE ORANGE**—The best of all hedge plants. Postpaid—Oz., 10c.; ¼ lb., 20c.; lb., 50c. Special price on application in quantity.

**CATALPA (Speciosa)**—The hardy Western variety largely planted. A rapid grower and makes the best timber trees. Postpaid—Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 65c.

**RUSSIAN ALBURNY**—Planted for silk culture; easily grown; hardy; fine hedge; fruit quite reliable. Tree makes fence posts in five years, and fine lumber. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., 2.00.

PRICES ON OTHER TREE SEEDS GIVEN ON APPLICATION.

Prices on Larger Quantities of Any of the Above Seeds Given Upon Application.



## Grass Seed for all Soils.

Orchard Grass.

We pay particular attention to this department of our business. These seeds are selected with special reference to their quality. Purchasers may rely upon our best exertions to furnish Grass and Field Seeds fresh, pure and free from noxious and foreign seeds.

Owing to the varying bulk of grass seeds from season to season, due to climatic condition and improved methods of cleaning, they are always put up by weight and not by measure, thereby securing to our customers

the amount they pay for, as prices are based on weight, not on bulk. (The number of pounds to the bushel, in brackets, is the old way of offering grasses, and is mentioned merely for reference.) Prices on grass seeds are changing (almost daily) and we can only give prices subject to market fluctuations. Bags included at prices given. **Our single pound prices include postage paid by us.** Please bear this in mind when comparing our prices with others who require postage added to quotations.

Those wanting Seeds in Larger Quantities than here quoted should write us for Special Prices.

<b>Kentucky Blue Grass—June Grass—(<i>Poa pratensis</i>)—Universally known; desirable for pastures and lawns. Sow in fall or spring at rate of 2 to 3 bushels per acre. <b>Fancy clean seed.</b> (Bus. 14 lbs.)</b>	<b>Lb.</b>	<b>10 lbs.</b>	<b>100 lbs.</b>
.....	30	\$1 30	\$11 00

<b>Orchard Grass</b> ( <i>Dactylus glomerata</i> )—Extremely hardy and widely known. One of the earliest to start in spring; grows rapidly; furnishes an abundance of pasture the entire season. 1½ to 2 bushels per acre. (Bus. 14 lbs.).....	<b>30</b>	<b>1 45</b>	<b>12 00</b>
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**Red Top Grass (*Agrostis vulgaris*)**—Thrives well in any soil, but best on low land; produces a firm sod. Sow 1 to 2 bushels per acre. **Fancy clean.** (14 lbs) 30 1 45 12 00

<b>Timothy (<i>Phleum pratense</i>)</b> —Well known variety. When ready to buy write for latest prices, whether a bag or a carload. (Bus. 45 lbs.)			
<b>Prime seed</b>	20	65	5 40
<b>Choice seed</b>	20	75	5 70

**Wood Meadow Grass** (*Poa nemoralis*)—Adapted for pasture or pleasure grounds; of early growth; thrives under trees. Sow 2 bush. per acre. (14 lbs.) 50 4 00 36 00

**Rhode Island Bent Grass** (*Agrostis canina*)—Valuable for lawns. Sow 3 to 4 bushels to the acre for lawn, 1½ to 3 bushels for pasture. (Bus. 12 lbs.). . 35 2 50 20 00

**Tall Meadow Oat Grass** (*Avena elatior*)—Used for  
soiling. Succeeds well in sandy lands, and, owing  
to its long, fibrous roots, stands cold and drought  
well. Sow 3 bushels per acre. (Bus. 10 lbs.)..... \$5 2 00 15 00

**Sweet Vernal** (*Anthoxanthum odoratum*)—Very fragrant, especially when bruised or cut. Mixed with other grasses for pasture it is quite valuable, as it starts early in spring and grows until late in the fall. (Bus. 10 lbs.)..... 90 8 00 75 00

Crested Dogtail ( <i>Cynosurus cristatus</i> )—May be advantageously sown on lawns kept under scythe; forms a close turf, remaining green a long time; valuable for sheep pastures; succeeds on dry, hard and gravelly soil. Height, 1 to 1½ feet. Sow 25 lbs. per acre. (Bus. 21 lbs.)	45	4 00	35 00
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**Creeping Bent Grass (*Agrostis stolonifera*)**—Excellent for pasture when mixed with other grasses; succeeds well in most situations, and thrives in moist land. Sow 40 lbs. per acre. (Bus. 14 lbs.). .30 2.50 20.00

<b>Perennial Rye Grass (<i>Lolium perenne</i>)</b> —Very nutritious; valuable for meadows or permanent pastures; rapid grower; most prominent grass in England. Sow 1 to 1½ bushels per acre. (Bus. 24 lbs.).....	25	1 00	8 00
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**Meadow Fescue** (*Festuca pratensis*)—Thrives in all soils; excellent for permanent pastures; starts early; very productive. Sow 1 to 1½ bu. per acre. (24 lbs.) 35 2 30 20 00

**Sheep's Fescue** (*Festuca ovina*)—grows naturally on light, dry, sandy soils and mountain pastures; considered quite valuable mixed with other grasses for permanent early spring pasture. (About 12 lbs.) 35 2.00 18.00

<b>Hard Fescue (<i>Festuca duriuscula</i>)</b> —Not very productive, but it is of a very fine quality, and thrives well in dry situations where many other grasses would fail, thus making a desirable pasture variety. (Bus. about 12 lbs.)			
..... 35	2 00	18 00	

<b>Awnless Brome Grass</b> ( <i>Bromus inermis</i> ) — Will stand long droughts and produce heavy crops in dry sections where other grasses would perish. It has also proved one of the hardiest grasses. Succeeds in a wider range of temperature than any other grass. (Bus. 14 lbs.) .....	35	2 00	18 00
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**Clovers.** Parties wishing to buy in large quantities will do well to get samples and prices before placing their orders. We are in position to handle it on a close margin and supply the finest grades. The Prices here given are subject to Market Change without notice. Samples will be sent free upon application.

**Medium, or Common Red (*Trifolium pratense*)**—Lb. 10 lbs. 100 lbs.  
The Clover Seed of commerce, and the most important and valuable of the Clover family for agricultural purposes. Sows 15 lbs. per acre. (Buy 30 lbs.) 20¢ \$1.50 \$14.00

Alsike, or Hybrid (Swedish) <i>Trifolium hybridum</i> . Hardest of all clovers; perennial. On rich, moist soils it yields large quantities of hay or pasturage, as it forms a thick bottom; has fibrous roots like White Clover. Esteemed highly by bee keepers.	35	2 00	18 00
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<b>Mammoth Clover</b> ( <i>Trifolium pratense perenne</i> )—			
Valuable with other grasses for mixed hay; ripens			
about with Timothy. Being a rank grower it is			
largely used for plowing under as a fertilizer.....	30	1 50	14 00

<b>White Dutch</b> ( <i>Trifolium repense</i> ).—Grows naturally in pastures in a great variety of soils and situations; indispensable in parks and lawns.	45.	2 50	20 00
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**Crimson Clover** (*Trifolium incarnatum*)—Being an annual it must be sown in July, August and September of each year, which, the spring following, can be cut for silage, by April 20th; for ensilage, May 1st to 15th; for seed, about first week of June. Can be sown in corn, or any cultivated crop. 10 to 15 lbs. necessary to seed an acre. Cover with a light harrow. Use only American seed.

**Alfalfa, or Lucerne** (*Medicago sativa*). This clover claims to bear the palm as a forage plant, coming earliest in spring and remaining latest in fall. It delights in plenty of sun, being a veritable child of the sun; must be sown at the rate of from 10 to 25 lbs. of seed per acre on well drained, well pulverized, deep soil after danger of freezing is over, and preferably on or gravel sub-soil. Wet sub-soil is fatal to the plant. Roots from 3 to 15 feet deep, and when well established lasts for years. 2 to 3 crops a year can be cut. Not recommended for pasture. 30 1 40 33 00

**Millet.** GERMAN, or GOLDEN MILLET—True Southern grown German Millet seed is far superior to Western grown seed. The True South-

**"Grass Talk."**

**"Grass  
Talk."**

A 32 page pamphlet treating of Grasses, Clover, Pasture, Millet, and how to make and care for lawns. Free to customers 20c. to others.

**Hungarian (Grass)**—A very valuable forage plant of the Millet family, but not so coarse. Sown and cultivated same as Millet, and quite a favorite with

stockmen . . . . .	30	50	3 00
Western Grown Millet . . . . .	At Market Prices		

**These Prices are Subject to Market Changes**



# LIVINGSTON'S LAWN SEED FOR ALL PURPOSES.



If sown at the right time, on properly prepared soil and in proper quantity will produce a thing of beauty.

The first condition of success in securing a good lawn is a due regard to the relation between soil, situation and climate on the one side, and the different varieties of grasses on the other. As every grass has its own peculiar habitat, the whole subject resolves itself into two questions.

First what varieties are suitable for lawns and at the same time, adapted to the condition and situation. Second soil and climate. Each of which every one will have to solve in part for himself, our mission being to point the way and offer suggestions, yours to execute.

In making a new lawn, the soil should be carefully cultivated to the depth of about one foot, carefully graded to the desired level and well rolled, after which a light raking will prepare it properly for the reception of the seed. The soil should be good but not too rich, as the grass is apt to grow over rank in such soil. The ground may be prepared as early in the spring as it is possible to work the same, or, what would be better, prepare in the fall and the seed sown in the spring as early as the ground can be got in good order. *Never sow oats or other grain as a nurse with lawn seed.* Strong growing plants use up the fertility and moisture that should be conserved for the tender grass plants.

When the grass is ready for its first cutting, give the lawn a good rolling two or three days ahead, choosing damp weather, or the cool of the day, setting the mower as high as possible, not cutting too close to the ground until the lawn is well established, about once a week in favorable growing weather is often enough, but not so often in dry weather. Use the lawn sprinkler or hose freely and roll occasionally, especially

in the early spring after the frost comes out of the ground and before it settles or becomes hard with spring rains.

**Remember,** it is essential to dig the soil deep, prepare thoroughly, sow high grade seed liberally at the right time, and not less than four bushels per acre.

**Old Lawns** are greatly benefitted if given a thorough raking as early in the spring as the weather will permit, and then some fresh grass seed sprinkled on, which will renew the thin places and spots that have been killed out by the weeds and other causes. The unsatisfactory condition of many of our lawns is often due neither to climate nor neglect, but to the mistake of sowing unsuitable grasses on imperfectly prepared soil.

**Time to Sow.** Lawn seed can be sown at almost any time from early spring to late in the fall, but the best time is very early in the spring, or again in September and October, depending somewhat on the condition of the season at time of sowing.

**For Grassing a Terrace.** We can do no better than recommend the old and tried receipt, as follows: Take for each square rod a pound of lawn grass seed, and mix it with about six cubic feet of good, dry garden loam. Place it in a tub and add liquid manure, diluted with about two-thirds water until the mixture has the consistency of mortar. Make the slope perfectly even and smooth, water it well, then apply the paste in a thin, even coat.

**Fertilizers** of some good kind should be used every spring at the rate of 400 to 600 lbs. per acre.

## Livingston's Capital Lawn Seed Mixture. A Pound of Our Mixture will Sow About 500 Square Feet.

We have made the subject of Lawns a study for many years and this mixture has been prepared and sold by us in all parts of the country, giving general satisfaction. In making a lawn great care should be taken to use only the very best quality of suitable lawn seed so as to produce a soft, velvety, evergreen sod.

**Our Mixture weighs about 20 pounds** to the measured bushel and is not surpassed by any on the market.

**Quantity of Seed Required to Sow an Acre (43,560 sq. ft.)** For new lawns, not less than four bushels; for renovating old lawns, from one to two bushels.

**PRICE—FIRST QUALITY,** per lb., 25c.; 5 lbs., \$1.00; 1 bus., \$3.50; 2 bus., \$6.50; 5 bus., \$15.00. If to go by mail, add to the above prices 10c. per pound for postage.

**SECOND QUALITY,** per lb., 20c.; 3 lbs., 50c.; 1 bus., \$3.00; 2 bus., \$5.50; 5 bus., \$12.00.

**Livingston's Lawn Seed Mixture** can be had with or without White Clover as customers prefer.

### Our Lawn Grass Mixture for Shady Situations.

On nearly all lawns there are shaded bare and unsightly spots on which the owners have difficulty in getting a stand of grass; for such places this mixture is adapted. Should the ground have become "sour," or the drainage defective, it is apt to be covered with moss. If such is the case apply some lime or land plaster to sweeten it, after first removing the moss, then rake thoroughly and sow the seed at the rate of not less than 4 bushels per acre. Price—1 lb., 40c.; 5 lbs., \$1.75; bus., \$6.50. If to go by mail, add to above price 10c. per lb. for postage.

### Our Grass Mixture for Tennis Lawns, etc.

This mixture composed of low-growing, hardy grasses suitable for grounds of this character. Price—1 lb., 40c.; 5 lbs., \$1.75; bus., \$6.50. If to go by mail, add to the above price 10c. per pound for postage.

### Mixed Grasses for Meadows and Permanent Pasture.

Under this head we are prepared to furnish seeds adapted to all soils and all situations and all purposes, composed of grasses for light soils, for medium soils and for heavy soils; by light soils we mean that which is more or less of a sandy or gravelly nature, the heavy, clay and heavy loams; while the medium is an intermediate between these two. A light, wet soil, with respect to the grasses suited to it, may be considered same as to the heavy soils, and a dry, heavy soil more as the light soils. Write us for what you want, giving nature of soil, number of acres, etc., we will, with pleasure, give you estimates and terms. Write for **Special Prices on Large Quantities** before you buy in fall or spring.

### Kentucky Blue Grass.

Many prefer plain Blue Grass to a mixture, and it cannot be denied that it produces a beautiful and lasting lawn. It takes longer, however, to get it established. Price—(Fancy clean seed)—1 lb., 30c.; 3 lbs., 60c.; bus., 14 lbs., \$2.00. If to go by mail, add to the above price, 10c. per pound for postage.

### Lawn Fertilizer.

**Old and New Lawns require Stimulating** after the long drag through winter, or in the fall after the season of etching and the heat of summer. For this purpose we furnish a superior grade of bone meal which we have found, after years of experience and tests, to be the best adapted to the wants of the lawn. It should be sown broadcast, from the middle of February to first of May for spring and from September to November in the fall, at rate of 400 to 600 pounds per acre, according to condition of lawn. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed.

100 pound bag, enough for 2,500 Square Feet .....	\$2 50
50 pound bag, enough for 1,250 Square Feet .....	1 50
25 pound bag, enough for 600 Square Feet .....	1 00
10 pound bag .....	50

**"Grass Talk"** A 32 page pamphlet treating on Grasses, Clover, Pasture, Millet and how to make and care for a lawn, free to customers. 20 cents to others.

# Seed Corn



True Yellow  
Clarage.

The varieties of Field Corn we offer are the best in general use. They were grown especially for seed purposes, and are all well matured, cured, and shelled with great care. We test all varieties before sending out, that there may be no doubt as to vitality if properly planted and the conditions are favorable. **TO AVOID DELAY** when ordering **LATE** in the season, it would be well to mention your second choice, or state whether you shall send a sort adapted to your locality or refund the money, provided we are sold out of your first choice at the time your order arrives.

☛ It only costs about 20 cents an acre to use our Carefully Selected and Tested Seed Corn. Is it wise to risk doubtful corn from the crib? ☛

**Price** Of any of the following varieties of Field Corn, by Mail, postpaid—Sample ear, 25c.; large packet, 5c.; quart, 30c. By Express or Freight, (at buyer's expense)—6 Select Ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00. Sacks Free.

**New White Cob Early Dawn.** This is a new White Dent Corn of great merit. white kernels are bright and glossy; small white cob; stalks often bear two good ears; grains grow well over the top of cobs; matures in 90 to 100 days. A good yielder, adapted to all corn growing localities, and gives universal satisfaction; excellent for any soil and gives better yield on clay land than any of the yellow kinds. **Unsurpassed for corn meal and flour of a high grade.**

**PRIDE OF THE NORTH—The Very Earliest Yellow Dent Corn** in cultivation; and can be successfully grown farther North than any other Dent. Originated in extreme Northern Iowa. Ripens readily in New England. Matures perfectly in 90 days; very hardy and prolific; ears of uniform size, cob small, kernels closely set on the cob, and are long and compact.

**True Yellow Clarage.** Best Second Early, Sure to Ripen. It has been grown extensively by farmers in this locality for over fifty years. It ripens between the Pride of the North and Leaming. The ear is nearly as large as the Leaming, very uniform in its entire length, and well filled out at both ends; husks very easily; of rich golden color and very productive. In favorable seasons it has ripened here when planted as late as the first of July. Highly recommended by the Ohio Experiment Station as one of the best in points of early maturity, productiveness and feeding qualities.

**Mammoth White Dent.** A large eared variety, combining all the good points required in corn growing sections. It has a broad, very deep, pure white kernel and cob—in fact a stray red cob will hardly be found in a thousand bushels; grades "strictly white" in any market. It is very desirable for white corn meal, and those desiring a large white corn cannot fail to be pleased with it. We have sold this excellent corn for several years past and it continues to grow in favor annually. We pronounce it the best large white dent of which we have any knowledge.

**TRUE YELLOW LEAMING**—An extensively grown large Yellow Dent variety. Has pure glossy yellow ears growing low on a strong, heavy stalk; grains square and deep; ripens quite early, frequently maturing in 100 days from planting; will yield, on good soil, with proper tillage and a favorable season, from 75 to 100 bushels per acre.

**WHITE CAP YELLOW DENT**—Suitable for all soils, grows large ears and matures early. It grows strong, rank and thick, and, it is claimed, will produce more corn on poor, thin soil, than any kind now in cultivation. Tip end of the grains are white, inside yellow, making it a beautiful color.

**Pop Corn.** **WHITE RICE**—The best variety for popping purposes, grains pointed, pops white and full, is very productive, and of excellent quality. By Mail, (post paid), 2 Nice Sample Ears, 10c.; pkt., 5c.; 1/4 lb., 15c.; 1 lb., 25c.; 3 lbs., 60c. By Express, (not paid), 10 lbs. for 70c.; 40 lbs. for \$2.40.

If a Larger Quantity of any of These Corns is Desired  
Write us for Lowest Prices and Freight Rates.

## Fodder and Ensilage Corns

By Express or Freight at Buyer's Expense.

**EVERGREEN SUGAR**—There is nothing better for early fall green feed, or for curing for winter than Sweet Corn. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. A favorite with dairy farmers. Also excellent for silage. Can be planted as other corn or sown thickly in drills or broadcast. Peck, 50c.; 1/2 bus., 75c.; bus., \$1.50; 2 1/2 bus., \$3.00; 2 bags, \$5.00; 4 bags, \$10.00.

**RED COB ENSILAGE**—A Southern type of large, white corn, with red cob, strong, heavy stalks and short joint, a general favorite. Peck, 35c.; bus., \$1.10; 2 bus., \$2.00; 5 bus., \$4.75; 10 bus., \$8.00.

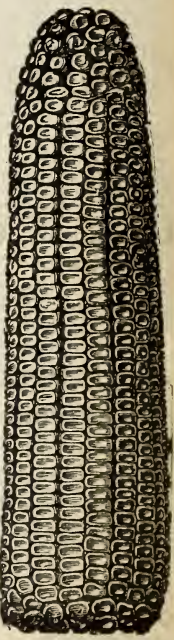
**LEAMING CORN**—Highly recommended by Gregory and other good authorities as being the most valuable for the silo of all large varieties.

**Leaming for Silo**—Buy \$1.10; 2 1/2 bus. sack, \$2.00; 5 bus., \$5.00; 10 bus. for \$10.00. Sacks Free.

**Livingston's New Golden Surprise Corn.**  
See Novelty Pages.



Mammoth White Dent.



New White Cob Early Dawn.



# Superior Seed Potatoes.

*It Pays to Change Seed Every Year.*

The necessity for changing Potato Seed often is universally admitted by all well posted growers, but too seldom practiced, especially when the best seed can be had at so little additional outlay. About 8 bushels will seed an acre, and at 25c. to 40c. per bushel additional cost, the whole outlay would be \$2.00 to \$4.00, with an increase in the crop of at least 25 percent. By using our **NORTHERN GROWN SEED** you are assured of **EARLY MATURITY, INCREASED YIELD and a VIGOROUS GROWTH.** Our northern growers are Potato specialists, and have grown for us for years, and the growth and extent of our potato trade is the result mostly of the growers' painstaking care and general knowledge in growing and selecting the seed stock with which to grow the crop. To grow healthy stock, they use first-class potato land, nothing but pure, well matured, good sized seed, treating the seed and spraying the foliage when necessary. Fighting bugs and blight from start to finish, because potatoes fit for seed cannot be produced from unhealthy or injured foliage. The potatoes are very carefully handled when digging and barreling, that they may not be bruised or otherwise injured.

**Early Orders.** Everything points in the direction of a lively demand for **CHOICE SEED POTATOES** the coming season, and, while we have a good stock in store at present, we would advise customers to send in orders **EARLY.**

*Please give plain Shipping Directions.*

## Free

Any purchaser of a Barrel or more Potatoes at prices quoted, may order any **ONE** of the following articles, and it will be sent with Potatoes **FREE OF CHARGE.**

1. A **CONCAVE POTATO KNIFE.**
2. A **PACKET OF HYBRIDIZED POTATO SEED.** (See page 63.)
3. **HALF-PECK OF SOME CHOICE NEW POTATO,** our selection, but the customer may suggest whether an early or late variety is preferred.

**Our Prices.** The following prices are about what we think will rule for **GOOD, STRAIGHT, UNMIXED STOCK** for the coming season's planting, but if you receive lower quotations before placing your order, write us (it costs but a trifle), stating what you want, and we will bid for your order. **YOU MAY SAVE DOLLARS,** for we are usually in a position to meet, and frequently do better than other firms, when we are given an opportunity. We do not care to compete with irresponsible houses who hardly know one potato from another.

**Buyers of Large Quantities** are requested to **write us** stating what they desire, and **we will make prices that will result in trade.**

## SPECIAL INSTRUCTIONS.

We will book orders at the following prices as long as our present stock lasts, filling orders just as soon as the weather in our judgment, will permit. However, we cannot become responsible for changes in weather by which they might be damaged while en route. We ship at any time when requested to do so, regardless of weather, if customers wish to take their own risk. When customers request it we pack a barrel of two or three kinds without extra charge. **WHEN ORDERING LATE,** please state whether we shall return the money or send some other kind of equal value, provided we cannot supply the sort ordered.

**POTATOES BY EXPRESS OR FREIGHT,** at barrel, bushel, peck and half-peck prices. Buyer pays the freight or express charges. Our Barrels contain two and three-fourths (2 3/4) bushels, good measure.

**All Transportation Charges must be paid by Buyer.**  
**No Potatoes sent C. O. D.**

**Potatoes by Mail, Postpaid.** Prices for small quantities of any of the following varieties, unless otherwise quoted—1 lb., 25c.; 3 lbs., 60c. **THREE DOZEN EYES FOR 25 CENTS, POSTPAID.**



**Livingston's**

**Extra**

**Early Ohio**

**Potatoes.**

**Most Profitable  
for Early Market**

Some early kinds will give edible potatoes about as early, but their tops will be green for days after the Extra Early Ohio's have ripened. It is two weeks ahead of the Early Rose, and is a special favorite with farmers and marketmen, and the most profitable potato they can possibly grow. The sprouts are very strong, the vines grow erect, and are easy to cultivate; maturing early, brings the highest prices, and the land can be used for other crops; does well on any soil suitable for potatoes. The tubers grow compact in the hill, are easily dug, very few small ones—nearly every one marketable size; few eyes, which are even with the surface. They keep firm until late in the spring. With heavy manuring, **close planting** (they can be planted almost a half closer than most other kinds on account of their upright growing tops), and good culture, a very large and profitable yield can be expected—300 to 500 bushels per acre is not an unusual yield. This is our specialty in standard early varieties, and we have for years taken great pains to keep the stock pure and up to its original standard, but we are confident that many do not know a true Early Ohio, and have grown some other sort for it, having been deceived in the purchase of the seed. We know ours are right, because the stock is the product of original headquarters seed.

**We offer Choice Hand Sorted Stock at the following very reasonable prices: MICHIGAN OR MINNESOTA GROWN STOCK—Half-peck, 25c.; peck, 40c.; bus., \$1.50; bbl., \$3.75; 5 bbls., \$16.00; 10 bbls., \$30.00.**

**Special Prices for Larger  
Quantities on Application.  
Car Lots furnished if desired.**

## Livingston's Banner Potato.

Introduced by us in 1891.

The Banner is a seedling, and is the finest Main Crop White Potato on the market, and probably no variety ever introduced has made as good a record in so short a time with all classes of growers on all kinds of soil. None surpass it in UNIFORM HANDSOME APPEARANCE. Its slight russet skin is of a light cream white color. ITS Shape is a little oblong and slightly flattened (cooking through easily). The Eyes are very shallow. The Size is Large and desirable, very few under market size. Always smooth and regular in form; strong and vigorous from the very sprout. A Great Drought Resister. As near blight and scab proof as any. The Flesh is very white, and whether boiled or baked has the same fine table qualities, always dry and floury. Season medium late.



Choice Sorted Michigan Grown Stock— $\frac{1}{2}$  pk., 25c.; peck, 40c.; bus., \$1.25; bbl., \$3.25; 5 bbl., \$15.00. SPECIAL PRICE for 10 bbl. or over.

W. H. CLOSON, Port Union, Ont. "Enclosed find drawing of a Banner Potato weighing 2 lbs. 10 ozs., grown from eyes sent me last spring."

W. H. RUSSELL, Pine Co., Minn., sent us last October 6 Potatoes weighing 16 lbs. 2 ozs., all fine, smooth specimens.

HOMER MILLS, Noble Co., Ind. "We succeeded admirably last year with Livingston's Banner, have as fine potatoes as I ever saw."

JAMES E. HALL, Miami Co., Ohio. "I never saw such nice, smooth potatoes, and as free from prongs, as the Banner. I think it No. 1."

FRANKLIN G. MYERS, Bucks Co., Pa. "The Banner Potatoes I got of you last spring turned out exceedingly well."

S. EDSON, Oceana Co., Mich. "Banner took First Premium at our Fair. They are the handsomest and the best yielders I ever raised."

R. B. NOBLE, Lafayette Co., Mo. "I raised 107 bushels of Banner Potatoes from a barrel ordered of you last spring."

GEO. GEIER, Spokane Co., Wash. "I had 12 varieties of potatoes planted last year. The Banner is the best of them all."

JOHN L. WILSON, Webster Co., Utah. "From one bushel of Livingston's Banner, last season, I raised 40 bushels of fine potatoes."

H. E. PIERCE, Madison Co., Ind. "Your Banner Potato is a 'Daisy' sure, the best of five kinds planted; out-yielded anything on the place."



HENRY C. WILSON, Fountain Co., Ind. "Your Livingston Potatoes are extra good in yield and quality."  
 IWM R. MILLER, Summit Co., Ohio. "Every one at the Fair pronounced 'The Livingston' the finest they ever saw. They are the finest and best in America."

## The Livingston Potato.

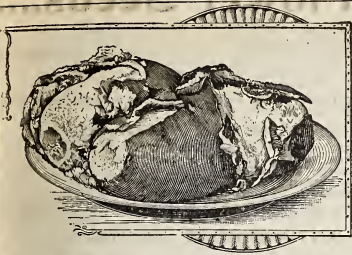
Introduced by us in 1896 as a "White Seneca Beauty."

It is indeed a beauty of ideal form with handsome white skin and distinct peach blow eyes, which are few and very shallow. It is a robust grower, very productive, and its cooking qualities are superb. Choice Sorted Michigan Grown, Stock— $\frac{1}{2}$  peck, 25c.; peck, 40c.; bus., \$1.25; bbl., \$3.25; 5 bbl., \$15.00. SPECIAL PRICE on 10 bbl. or over.

GEO. W. MACE, Darke Co., Ohio, writes: "This is a very distinct variety. With me it stood at the head in yield of 30 varieties grown in field culture."

DR. TINKER, Tuscarawas Co., O. "The Livingston Potato" got of you 3 years ago proved most valuable. Of 50 or more varieties, the only one that DID NOT BLIGHT in 1898; stands drouth also the best."





## Seneca Beauty Potato.

Introduced by us in 1889.—This grand good medium late potato was first offered by

us 12 years ago, and too much has never been said in its praise. Its beautiful and distinct appearance sells it in any market, and its fine table qualities please all classes of customers. The tubers are large and smooth, with few eyes close to the surface and of a beautiful pink color; uniform in size and shape, scarcely any small ones. Vines rank and healthy, and loaded with beautiful blossoms. Good keeper and heavy cropper. One point in its favor, which every grower will appreciate, is its distinct appearance in shape and color, on which account it can be kept pure, and easily sorted out, even if mixed with a dozen other kinds. Northern grown seed—Half peck, 25c.; peck, 40c.; bus., \$1.25; bbl., \$3.25; 3 bbls., \$9.00; 5 bbls., \$14.00.

## Hybridized Potato Seed.



Potato Ball Seed.

We offer a very choice strain of Potato Seed, the product of numerous hybridizations between many of the best new and old varieties in cultivation. A dollar invested in this choice seed may make \$100 in two or three years. The grower is sure of several rare and valuable seedlings that any specialist will be keen to purchase at a good price. We frequently purchase promising seedlings grown from seed purchased of us.

Price—Packet, 25c.; 5 pkts., \$1.00. Full directions for planting, cultivation, etc., on each packet.

**Every Farmer Boy** Ought to "try his hand" with one or more packets of Potato Seed, and his father should get him the seed, give him the ground, and plenty of time to cultivate and observe developments. The result is interesting, and often very profitable.

S. W. McC., Duval Co., Florida. "Your potato seed have done very well. I hope to grow some that will keep in the South."

D. O. FRAYER, Greenwich, Ohio.—"Package of Potato Seed more than answered my expectations. I raised 48 hills, yielding from 2 to 71 potatoes to the hill, ripening from Aug. 5, until frost. Largest round potato measured 2½ x 2½ ins.; longest 4½ ins.; heaviest weighed 4 ozs., and the heaviest hill 10 ozs."

## New Jersey Grown Seed Sweet Potatoes.

Carefully dug, handled, packed and stored over winter for us, expressly for sprouting purposes. We have been finding and selling this stock for about 30 years and find the potatoes much dryer and sweeter than those grown from Ohio or Western Grown Seed. We repack before shipping, but we wish it distinctly understood that Customers take ALL RISKS after we deliver in good condition to Express or Railroad Company here. We book orders any time but do not ship until about planting time. OUR BARRELS CONTAIN THREE BUSHELS, GOOD MEASURE.

**YELLOW JERSEY**, or Hansemund—Fine Old Favorite—Peck, 40c.; ½ bus., 75c.; bus., \$1.40; bbl., \$3.50.

**RED JERSEY**—Best of all reds—A smooth potato with yellow meat. Peck, 50c.; ½ bus., 80c.; bus., \$1.50; bbl., \$4.25.

**EARLY CAROLINA**—Bright yellow, fine grained. Desirable for Northern Sections. Peck, 50c.; ½ bus., 80c.; bus., \$1.40; bbl., \$4.00.

**"Up Rivers."** A Select Strain of smooth, short, "chunky" Yellow Jersey. Yields 25 to 50 per cent. more marketable stock and sells higher than any other. Dry and sweet, decidedly the best eating potato of all. Our specialty in "sweet," and we recommend it above all others. Peck, 50c.; ½ bus., 80c.; bus., \$1.40; bbl., \$4.00; 3 bbls., \$11.00.

**No C. O. D.** All Sweet Potatoes must be paid for before shipment will be made, as we will not send them cash on delivery.



**Prices Quoted** are about what will rule, we think, but as there is usually a shortage of root seed at planting time prices here quoted **ARE SUBJECT TO MARKET CHANGES** after about March 1st.

We will make Special Prices for Larger Quantities on application. If you bed out several barrels it may pay you to **WRITE US BEFORE YOU BUY.**

### "Forty Years Experience with Sweet Potatoes."

By WALDO F. BROWN. The most practical and valuable work on the subject. Tells how to make beds, grow plants, set same, cultivate, harvest, store the crop, etc. Anyone can grow Sweet Potatoes without trouble if they will follow Mr. B.'s carefully written directions. It's the short cut for the beginner and a help to many old growers. **20c. postpaid, or FREE** with orders for a bushel or more of Sweet Potatoes, providing customers ask for it when sending their order.

## Sweet Potato Plants.

We grow plants by the million, and shall be pleased to quote lowest market prices to any one who will write for prices in season. **PLANTS BY MAIL.** Well rooted Plants or Slips ready about May 1, at 60 cents per hundred; \$1.50 for 300, postpaid.

## VEGETABLE PLANTS, ROOTS, ETC.

Prices do not include prepayment of expressage. Sent only by Express, not by mail. No orders received at the following prices unless the whole order amounts to \$1.00 or more, EXCEPT where quoted by mail, postpaid. We keep all the following varieties on hand in their proper season and can ship fresh from the beds and well packed on short notice. Write for our special MID-SUMMER PRICE LIST, which gives the prices of late Cabbage, Celery, etc. Issued in June.

**CABBAGE, EARLY**—Ready April 10. Per 50 100 1000  
Extra Early Wakefield and All-Head Early... } \$ .40 \$ .75 \$ 1.50  
Henderson's Early Summer Large Wakefield.....

**Cauliflower**—Ready April 1 to July 1.  
Livingston's Earliest and Extra Early Erfurt..... } .65 1.00 7.50  
Henderson's Early Snowball.....

**CELERY, Early Grown**—Ready June 1.  
Dwarf Golden Heart, White and Pink Plumes,..... } .60 1.00 .....  
Golden Self-Bunching and Giant Pascal.....  
Giant Golden Heart.....

**SWEET POTATO**—Ready May 15.  
"Up Rivers"..... } .25 .25 2.50  
Extra Early Carolina.....  
Yellow Jersey.....

By Mail, Postpaid 60c. per 100.  
**HEDGE PLANTS.**  
Osage Orange—Two Years Old..... .35 2.50  
Honey Locust..... .75 4.50

**HORSE RADISH SETS.**—See page 33.  
**RHUBARB ROOTS.**—See page 47. **ASPARAGUS ROOTS.**—See page 17.

Write us **WHEN READY TO BUY** Large Quantities of Cabbage, Celery, Sweet Potato and Hedge Plants and we will make **LOWEST MARKET PRICES** at the date of quotation.

**TOMATO—Ready May 1.**  
Livingston's Acme Beauty..... Doz. 50 100 1000  
Buckeye State, Honor Bright, Favorite..... }  
Yellow Prince, Perfection, Paragon..... } \$ .20 \$ .60 \$ 1.00 \$ 7.50  
Stone, Royal Red, Golden Queen..... }  
Dwarf Champion, Dwarf Aristocrat..... } Lower prices Later in the season.

**MILLIONS OF TOMATO PLANTS.** We grow immense quantities for general crop, and are in position usually to make **Special Prices** on all leadin, sorts on orders of 1000 to 100,000

**EGG PLANT**—Ready May 1. Doz. 50 100  
Large N. Y. Purple and Livingston's Mammoth..... .25 .85 \$1.50

**PEPPER**—Ready May 1.  
Sweet Mountain, Mammoth Ruby King and..... } .20 .60 1.00  
Bull Nose.....

**HOP ROOTS**—Plant very early. Each, 5c.; per doz., 35c. Postpaid.  
**CHIVES**—Good clumps; by Express, each, 10c.; per doz., \$1.00. By Mail, postpaid, each, 20c.; ½ doz., 80c.; doz., \$1.50.

**ARTICHOKE ROOTS**—Lb., 30c.; 3 lbs., 75c.; postpaid. By Express or Freight—Pkt., 60c.; bus., \$2.00; bbl., of 3 bus., (enough to plant one acre), \$5.00.

**5000 and 10000 Lots of Plants, Etc., at Lowest Market Prices.**

# ...Livingston's Select Flower Seeds...

**OUR FLOWER SEED LIST** has been carefully revised, some new kinds added and all inferior kinds cut out, so that there is nothing in the list but what is worthy of cultivation, and, if reasonably well cared for, will give satisfaction. Our aim is to offer nothing but the best and at **ABSURDLY LOW PRICES**, a condensed list of leading kinds, and not the most bewildering and extensive, wishing to please the masses rather than cater to the few. Any flower seed not offered in the following pages will be secured on short notice at the price quoted in other catalogues. **NO GARDEN**, whether large or small, is complete with out a flower bed of Livingston's select flower seeds. INCLUDE A FEW PACKETS WITH YOUR VEGETABLE SEED ORDER.

## DIVISIONS OF FLOWERS.

Flowers are usually divided into Annuals and Perennials. Annuals are those that bloom and ripen seed the first year, then die. Among

these may be found some of our most brilliant and fragrant flowers. In fact, if you want flowers early in the season, and all the time until frost, a good selection of Annuals will not disappoint you. Perennials are those that endure our Northern winters with little or no protection, and live and bloom several years in succession. A large majority of the Perennials will bloom the first year if started soon in the spring.

The figure at the right, opposite each variety denote the price in cents per packets.

## DISCOUNT ON PACKET FLOWER SEED.

For 25 Cents select 6 Five-Cent or 3 Ten-Cent packets.  
For 50 Cents select 14 Five-Cent or 7 Ten-Cent packets.  
For \$1.00 select Packets to the amount of \$1.30.  
For \$2.00 select Packets to the amount of \$2.75.  
For \$5.00 select Packets to the amount of \$7.50.

ALL FLOWER SEEDS SENT FREE BY MAIL ON RECEIPT OF PRICE

## ABUTILON.

### Flowering Maple or Chinese Bell Flower

Universally admired; few are aware how easily they can be raised from seed, and how beautifully they flower the first season if seed is sown early; should be started in the house and the young plants set out in the garden, but not until the weather is warm and settled. They grow rapidly, and make fine large shrubs, bearing elegant bell-shaped flowers. They bloom freely in winter in the house. Choice Mixture..... 10

## ABRONIA.

Trailing plants with Verbenalike flowers. Peel off the husk before sowing. Very fragrant; in bloom a long time; transplant to 1 foot apart. Half-hardy annual..... 5

## ACROLINIUM.

A beautiful Everlasting flower, strong growth, about 18 inches high, and bears a great number of rose and white daisy-like flowers with a yellow center. Should be gathered the first day they open, or before they are open, and dried in the shade, to secure a bright center. Rose and White, mixed..... 5

## ADLUMIA CIRRHOSA.

Mountain Fringe, or Allegheny Vine.—An attractive and beautiful hardy biennial climber, flowering the first season, clusters of small rose-lilac flowers and pale green feathery foliage. 15 feet... 10

## AGERATUM.

Valuable for large beds or borders, and very useful where cut flowers are in demand; blooms the whole summer; also good for winter blooming; easy culture, succeeding in any soil; half-hardy annual.

Imperial Dwarf Blue—A fine plant for ribbon borders; 6 inches... 5

Imperial Dwarf White—Like above, but flowers are white..... 5

Mexican—Lavender blue; 2 feet..... 5

Ageratum, mixed..... 5

## ALYSSUM. SWEET.

The delicate honey-like fragrance of the flowers of this little plant, so much prized in bouquets, baskets and design work, renders it most unlikely that this old favorite will ever be cast aside. Easy culture; blossoms all summer; 12 inches.

Sweet Alyssum—White: Very sweet; 1 foot. Oz., 25c; ½ oz., 15c..... 5

Little Gem—Very compact growth, 3 or 4 inches high, but a single plant will cover a space up to three feet in circumference. Grows quick from seeds and will bloom when quite young. The abundance of flowers is simply enormous, 300 blossoms having been counted on a single plant. Oz., 40c; ¼ oz., 15c..... 5

Golden Saxatile—Free growing dwarf

hardy perennial. Flowers brilliant golden yellow, completely hiding the foliage. Plants about one foot high. Showy for permanent borders and beds..... 5

## AMARANTHUS.

Remarkably handsome foliage and interesting flowers, producing a striking effect in the border as a background, or as center of beds. Seed may be sown in the open border, or in a hot-bed; transplant about the first week in June. Produces the most attractive and brilliant foliage upon poor soils; transplant to 12 inches. Half-hardy. All kinds mixed..... 5

## AMPELOPSIS.

A most beautiful climber, clinging firmly to the sides of a house or wall, and soon forms a most perfect mass; gives excellent satisfaction. Ampelopsis Veitchii, "Japanese Ivy" or "Boston Ivy"..... 5

## ANTIRRHINUM—(Snap Dragon.)

This is an old favorite border plant, with dark, glossy leaves and curiously shaped flowers, with finely marked throats. They have been much improved by careful selection, and are really magnificent flowers. Will blossom the first season from seed sown in the spring; grow quick and bloom all summer, but the blossoms will be much stronger the second season. Succeeds best in dry, loamy soil. Tender perennial. Tall, mixed..... ¼ oz., 15c 5

Choice Striped, mixed..... ¼ oz., 15c 5



New Giant White Snapdragon.

## NEW GIANT WHITE SNAPDRAGON.

A very valuable variety, recently introduced, quite an addition to our choice blooming plants. Produces great abundance of flowers (see illustration) throughout the summer and autumn; compact and branching in habit, producing beautiful gladioli-like flower spikes by the dozen, from 1 to 2 feet in length. Color pure snow-white, with lemon-tinted throat, and of lovely fragrance. The flowers keep a long time after being cut, thus making them fine for cut flowers..... 10

## ANEMONE—(Windflower.)

These can be grown from seed, and will bloom in the fall..... 10

## ANTIGONON—(Mountain Rose.)

Grand and effective when grown in a sunny spot; climber; hardy with a slight covering..... 5

## ASPARAGUS PLUMOSUS NANUS.

(Climbing Lace Fern)—One of the prettiest house plants. Leaves bright green, gracefully arched, surpassing Maiden Hair Ferns in grace, delicacy of texture and richness of color. It is admirably adapted to house culture..... 10

## ASPARAGUS SPRENGERI.

Also called Emerald Feather and Abyssinian Parlor Fern. This is one of the most beautiful plants for either pot culture or hanging baskets. Its beautiful green fern-like fronds grow 2 to 3 feet in length. Useful for bouquets. Grows freely in the year around. (For illustration see Plant Department)..... 20

## ASPARAGUS VERTICILLATUS.

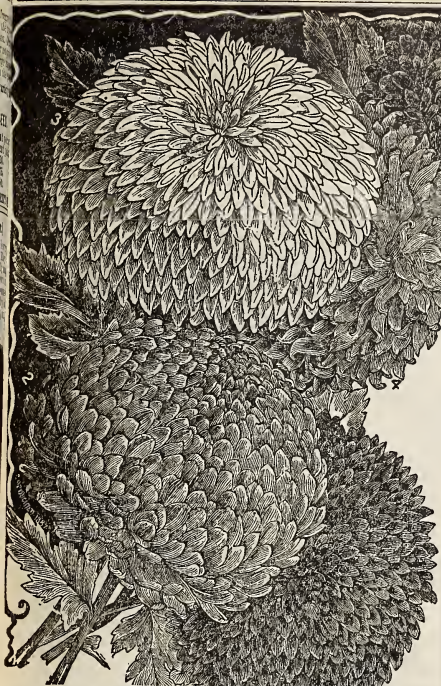
A beautiful climber having feathery foliage and scarlet berries. Hardy perennial..... 10

## ASPERULA.

Odorata-Waldmeister—This charming little plant, which blooms in May and is a hardy perennial, delights in moist, shady situations and is used for border planting..... 10

Asperula, Azurea Setosa—A profuse blooming dwarf hardy annual with sweet scented lavender-blue flowers; 1 foot high..... 5





## ASTERS 1

### "FALL ROSES."

This has become one of the most popular, beautiful and effective garden plants, growing from ten to twenty-four inches high. For profusion of flowers and richness of display the Asters are unrivaled and constitute the principal adornment of our gardens during the autumn. Sow the seed early in the spring, under glass or in pots in the house, and transplant into rich soil about one foot apart, according to height of plants. Splendid for bedding, border and pot culture. One of the leading cut flowers of the day, because very profitable.

**JEWEL, or BALL—(Cut 2)**—A magnificent aster, with flowers measuring from 2½ to 3 inches across, round as a ball and borne on long stems. Very useful for cutting and bunching; about 24 inches high. **A Mixture of Several Choice Colors.**..... 10

**MIGNON—(Cut 3)**—An Aster of great beauty; resembles the Victoria class in habit of growth, but excels it in free blooming. Plants about 15 inches high; flowers of good size, reflex petals and very double. One of the finest for cut flowers. **Mixed, New Shades.**..... 10

**MIGNON—Peach Blossom—**Very fine, 10. **Light Blue—Superb.**..... 10  
**Pure White—**None surpass this splendid white for cutting. .... 10

**SNOWBALL, or PRINCESS—**A distinct Aster. Every plant produces about 30 pure white flowers, which are semi-spherical with short petals lying scale like upon each other, resembling a Liliput Dahlia flower. Its elegant, faultless shape makes it valuable as a cut flower. .... 10

**GIANT WASHINGTON, or JUBILEE—**Resembles the Victoria Aster but the flowers are much larger. Good for cut flowers and bound to please all who like a tall growing Aster with immense sized flowers. 2 feet. **Mixed, Many Lovely Colors.**..... 10

**VICK'S BRANCHING—**A favorite variety with branching character and fine, large flowers on long stems; excellent for cutting. Two feet high. **Mixed Colors, 10c. White, no finer.**..... 10

H. L. Simpson, Licking Co., Ohio, writes: "The finest Asters I ever saw I raised last year from a packet of your Aster seeds."

## LIVINGSTON'S SUPERB ASTERS.

**OUR OWN MIXTURE**—This mixture, including the cream of this list, with many others of the most beautiful and choicest varieties. Bound to please even the most critical. **No Mixture excels it.**  
**Extra Large Packet, 20c. Regular Size Packet**..... 34

### COMET, or POODLE ASTERS.

**COMET—(Cut 6)**—A grand new race of Asters. We have seen specimen flowers so large and so double, and having such long and beautifully curled petals as to be scarcely distinguishable from a Japanese Chrysanthemum. **Mixed, splendid variety of Colors.**..... 34

**COMET—Pink Flowers—**A very choice shade of peachblow pink... 16

**COMET—White—**Very choice, small flower..... 10

**COMET—Lavender—**A lovely shade of light blue..... 10

**GIANT COMET—"Snow White"—**Grand; pure white; flowers of immense size and of wonderful perfection..... 10

**GIANT COMET—"The Bride"—**For elegance of form and delicate coloring it is unequalled—color at first white, changing to a lovely pink, finally to a beautiful rose. For cut flowers, "hard to beat"..... 10

**GIANT COMET—PINK—**The pink of all Pink Asters..... 10

**GIANT COMET—Mixed—**The above and several other good colors in proper mixture..... 10

**VICTORIA—(Cut 1)**—A very free bloomer; flowers very large; beautifully imbricated; plant pyramidal in form. **Mixed, all colors**..... 10

**VICTORIA—Light blue—**Large and fine; the finest of the blues... 10

**VICTORIA—White—**Flowers large, perfect in form, of purest white..... 10

**VICTORIA NEEDLE—**A remarkably free blooming variety, with large double flowers of a very unique appearance. The petals are curved and as round as a needle. **Many Colors Mixed.**..... 10

**DWARF VICTORIA—Dark Scarlet—**One of the finest, and might well be called a FIREBALL, on account of its brilliancy; the perfect flowers are borne in great abundance on a neat bush about ten inches high; effective in beds, 10c. **Mixed Colors.**..... 10

**NEW ROSE—(Cut 4)**—Magnificent flowers, in shape and size rivaling the finest roses. A great variety of brilliant colors, making a beautiful display. Robust habit; blossoms profusely, covering the plant; in perfection, nearly a month; 18 ins. high. **Mixed.**..... 10

**CROWN WHITE CENTER—(Cut 5)**—Flowers of this beautiful class are two-colored; the center of each pure white, with the petals of bright colors, as crimson, carmine, blue, violet, etc.; full, double, of handsome shape; 1½ to 2 feet. **Mixed Colors.**..... 10

### QUEEN OF THE MARKET ASTERS.

After growing this for several seasons we pronounce it one of the most satisfactory of all; it is about two weeks earlier than most other Asters, a most profuse bloomer; of graceful habit. Its perfect flowers are borne on long stems and in great variety of colors, making them extremely useful for cutting. A favorite with those who grow for market.

**Mixed Colors**..... 15c. **Pure White—Splendid.**..... 10

**Pink—Splendid**..... 10c. **Blue—Very fine.**..... 10

**QUEEN OF THE EARLIES—("Queen of Spring")**—Resembles somewhat the Queen of the Market, but blooms about two weeks earlier; of low growth; good sized flowers on long stems. Said to be the earliest of all. **All Colors Mixed, 10c. Pure White.**..... 10

**DWARF QUEEN—The Finest of all Dwarf Asters.** The bushy plants are about a foot high, and when well grown the flowers are large (3 to 3½ inches in diameter) and very beautiful. Excellent for pot culture and borders.

**Choice Colors Mixed**..... 10c. **Pure White.**..... 10

**DWARF PYRAMIDAL BOUQUET—**A magnificent dwarf variety; a single plant forms a complete bouquet of pyramidal shape, and covers itself with blossoms almost hiding the foliage. Fine for edging and small beds. **Many Distinct Colors Mixed.**..... 10

**GERMAN QUILLED—**Well-known favorite and very distinct sort; a free bloomer; good for cutting. **Many Finest Varieties Mixed**..... 5

**OR ANY THREE 10-CENT PACKETS FOR 25 CENTS.**



## ASTERS CONTINUED. SAMPLE'S ASTERS.

A choice strain of American-grown Asters, which has been brought to a high degree of excellence; of branching habit, producing many perfect flowers four inches in diameter on long stems; flowers very double and of the purest colors; the strong, branching plants grow about 2 feet high. Immense quantities of this fine Aster are grown for the cut flower trade. Its large, graceful flowers with long stems make it a prime favorite.

Sample's Pure White. 10  
Sample's Shell Pink. 10  
Sample's Lavender. 10  
Sample's Fine Mixed. 10

Any 3 Packets 20c.

"I grew Sample Asters from seed sown latter part of April that measured  $2\frac{1}{2}$  inches in diameter, with stems 3 feet long."—J. C.

### Uhlund Globe Asters

Pony-Flowered—Excellent; large flowering. Mixed Colors.. 10



Pony-Flowered Perfection Asters.



The Popular Sample Asters.

(TRUFFAUT'S).—Hard to surpass in size of flowers, brilliancy of color, and habit of growth. Flowers of very large size and fine form, perfectly double, petals beautifully incurved. The colors are peculiarly rich and brilliant, and the refined form of flower attracts great attention.  $1\frac{1}{2}$  to 2 feet.

## PEONY-FLOWERED ASTERS.

Mixed, Many Exquisite Colors.....	10
Snow White.....	10
Dark Blue—Extra fine.....	10
Brilliant Scarlet.....	10
La Superbe—Sky-blue, tipped white.....	10



Livingston's Premium Balsams.

## Balsams.

### "Lady Slipper."

These are old favorites with everyone owing to their handsome double flowers, brilliant colors and stately growth. To produce very double flowers they must be transplanted into a rich soil in a sunny position and frequently watered. Cutting out some of the side branches is also advisable, especially with the strong and bushy growing varieties. They can be pruned in any form desired. We have taken special pains to secure the most double and largest flowers in the most distinct and striking colors. Tender annuals.

### LIVINGSTON'S PREMIUM BALSAMS.

Light Lemon—Very fine.....	5c.	Double Spotted—In splendid mixture.....	10
Double Camellia-Flowered—Best Mixed—Many kinds and colors.....	5	Brilliant Scarlet.....	5
Double White Perfection—"Queen's White"—Flowers snow white, as round as a dollar and of immense size.....	5	Double, Mixed—Very choice.....	25
Carnation-Striped—Many colors, Finest Mixed.....	5	Single, Mixed—Extra fine.....	20

## BEGONIAS.

**Tuberous Rooted.**—Begonias are among the handsomest of our summer flowering bulbs; very popular; easily grown from seed if care is taken not to wash out the little seedlings when watering. Covered the whole summer with bright and elegant drooping flowers; seed should be started in February or March in pots of fine soil. As soon as the second leaf appears prick off into flats or small pots filled with good, loose soil. Slightly shade from direct rays of the sun and as near the glass as possible. In the fall take up tubers and store in the cellar same as Dahlias.

Double, Mixed—Very choice..... 25  
Single, Mixed—Extra fine..... 20

**Fibrous-Rooted Begonias.** A most excellent class for indoor flowering, also good for outside if given a partly shaded location.

**NEW VERNON.**—Plants medium size, compact and very hardy; easily grown; leaves glossy green margined with bronze; flowers rich, brilliant red, and borne in greatest abundance. A well-grown plant is one of the best ornaments to a conservatory or parlor, while a large bed of them in the garden will be the admiration of all beholders..... 10

**NEW VULCAN.**—The best bedding variety on account of profusion of bloom, beautiful foliage and hardy growth; flowers of the most intense fiery scarlet color..... 10

**REX BEGONIA.**—Large ornamental leaves of dark green, bronze, gold and red; grown for their variegated foliage; very desirable for house and garden decorations. In shady positions, and well adapted for baskets. Finest Mixed..... 25



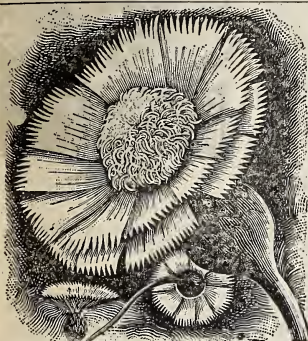
Rex Begonia.



New Vulcan Begonia.



- BALSAM APPLE AND PEAR.** Very curious vine with ornamental foliage; its large golden yellow fruit is warted, and, when ripe, opens, showing its brilliant carmine interior; 10 feet. **Balsam Apple and Pear, Mixed.**..... 5
- BRACHYCOME.** (Swan River Daisy.)—Free-flowering dwarf plants, covered the greater part of summer with a profusion of pretty Cineraria-like flowers; suitable for edgings, small beds, baskets or pot culture; half-hardy annual. **Light Blue and White Mixed.**..... 5



New Centaurea Margaret.

- Americana Alba**—New. A native annual variety of strong growth; free bloomer; the stems shoot up from 1 to 2 feet; flowers large, nearly white, fluffy; excellent for cut flowers, the flowers lasting several days when cut..... 10

**CALCEOLARIA.**

Unsurpassed for pot culture in the greenhouse or conservatory, producing the brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape, their richness, diversity and variety of color.

- Spotted and Self-Colored, Finest mixed.**..... 25

- LARGE FLOWERING SELF-COLORED, mixed.**—Flowers not spotted or marked. 25

**CATCHFLY**—(Silene.)

A showy, early, free-blooming annual of easy culture, growing in any garden soil. Colors red, white and rose, mixed..... 5



Calceolaria.

**CALENDULA.**

Showy, free-flowering, hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders; continues in bloom until killed by frost; 1 foot high. **Choice mixed.**..... 5



Crotalaria Retusa.

- BARTONIA.** All summer it produces showy large golden flowers above its gray and downy thistle-like foliage; does not bear transplanting; hardy annual. **Aurea.**..... 5

- BALLOON VINE.** ("Love in a Puff")—A very rapid growing and pretty annual climber; delights in a light soil and warm situation, grows 10 to 15 feet; white flowers followed by seed vessels about the size of an English walnut, and looks like small balloons, which, with its beautifully cut leaves and foliage makes a delightful porch screen..... 5

**CENTAUREA CYANUS**—(BACHELOR'S BUTTON.)

(CORN FLOWER, BLUE BOTTLE, RAGGED SAILOR, ETC.)

Very old favorite hardy annual; flowers freely in almost any situation; for cut flowers they are largely used both in Europe and this country, a little bunch of the blue Corn Flower being a favorite boutonniere.

- Blue Emperor or Corn Flower**—Fine rich blue. 5

- Bachelor's Button**—A choice mixture..... 5

- Bachelor's Button, New Double**—Many new and novel colors of large double flowers in **Choice Mixture.**..... 5

- New Margaret**—A beautiful new annual. The plants grow about 15 inches high, and are of the easiest culture. Its large flowers are of the purest white, exquisitely fragrant, and are produced in great abundance. Admired by everybody everywhere..... 5

- New Chameleon**—Pale yellow on opening, turning to lilac, finally to a beautiful rose color..... 5

- Odorata**—Sweet scented. **Mixed.**..... 5

- Imperialis**—The flowers are of the same graceful form of Centaurea Margaret, but nearly double the size; blooms in great abundance from July until frost; highly fragrant; very popular.

- New Large Flowering Hybrids, mixed colors.** 10

- New Dwarf Victoria**—Pretty globular bushes, dark blue flowers; pretty for edging or pots..... 5



New Double Corn Flower.

**WHITE LEAVED OR DUSTY MILLER VARIETIES.**

These are planted for bedding or borders, not for flowers.

- Gymnocarpa**—Silver gray foliage. 1 1/2 feet..... 5

- Candissimi**—Leaves silvery white. 1 foot..... 10

**CANDYTUFT.**

The Candytuft is among the most highly prized of garden flowers. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom; sow in rows six or eight inches apart, and thin out the plants so that those remaining will have plenty of room. The soil should be rich, and when blooming time comes keep the plants well watered. The plants are very branching, and it is sometimes necessary to prune away some of the shoots in order to increase the size of the flowers. The Rocket Candytuft grows in compact spikes; the new dwarf varieties are only about six inches in height, and their season of blooming is very long.

- New Empress**—A magnificent variety, with enormous heads of pure white flowers. 15

- White Rocket**.....Oz., 15c. 5

- White Fragrant**.....Oz., 20c. 5

- New Dwarf Hybrids**—Of dwarf habits and perfect shape, abundant flowers, from pure white to dark purple..... 5

- Mixed, all Colors**.....Oz., 20c. 5



Candytuft, Empress.

**CLARKIA.**

The Clarkia forms very pretty bushy plants, from 12 to 18 inches high, are free bloomers, very easy culture, and will thrive in any garden without extra care. Hardy annual. **Choice Mixed Colors.**..... 5

**CROTALARIA RETUSA**—West India Rattle Box or Golden Bush Pea.

A beautiful annual; low growing, profuse branching plant, every branch and branchlet ending in racemes 6 to 10 inches long, of beautiful, large, sweet-pea-like flowers fragrant, and in color golden yellow, except the keel in the center, which looks like brown velvet, and are followed by clusters of short, smooth pods, in which, when shaken, the seeds sound like a child's rattle, hence its common name..... 10

**CYPERUS, or Umbrella Plant.**

Grows finely in water with rich soil or mud. Graceful foliage plant; fine for vases, fountains; easily raised from seed; tender perennial. For illustration see Plant Department..... 10

**MRS. J. STEIERT, Erie Co., Ohio, November 5,** writes: "Your collection of flower seeds I received from you last spring was all that you represented them to be. The Asters especially were beauties. I was very much pleased with them all."

## CANNAS

### FROM SEED.

Few, if any, surpass as a bedding plant for the American climate. It blooms from seed the first summer if sown early (before April). The seed should be soaked in warm water several hours before planting. Plant in a sandy loam and place in a hot bed or warm window, when up to the second leaf, transplant singly and hold until weather is warm outside.

The Canna has no equal for stateliness, brilliancy and variety of colors and ever-blooming qualities. The flower spikes are produced all seasons, and if well potted in the fall they make a fine plant for winter blooming in the house. The roots may be taken up and kept like dahlias over winter.



Large-Flowering French Cannas.

### LARGE FLOWERING FRENCH CANNAS.

- Queen Charlotte—Brilliant orange-scarlet with wide margins of yellow..... 10  
 Crozy's New French Hybrids—Saved from the handsomest of the many new varieties. Early bloomers and remarkable for beauty of both flower and foliage. Extra Fine Mixed, Many Varieties, ..... 10, 25c, 5  
 Madame Crozy—Clusters of vivid vermillion-scarlet flowers with deep golden-yellow borders..... 10  
 Chas. Henderson—Deep rich crimson; very fine..... 10  
 Florence Vaughn—One of the best yellows spotted with red..... 10  
 Chicago—One of the finest reds in cultivation..... 10  
 Fgandale—Bronze-leaved, currant-red flowers; a great favorite..... 10

## CAMPANULA.

A well-known beautiful hardy herbaceous perennial, bearing a great profusion of attractive bell flowers, thriving best in light rich soil; some of the varieties bloom the first season if planted early. Carpatia and Speculum are fine for beds, edgings and ribbon-gardening.

Carpatia—Free flowering, blue and white, continuing bloom the whole season. Fine for groups and edgings. Six inches. Hardy perennial. Mixed..... 5



Campanula.

## CANARY BIRD VINE.

One of the most desirable climbing plants, growing rapidly to a height of 10 feet; produces an abundance of bright yellow fringed flowers, which resembles a canary bird with extended wings..... 5

## CANTERBURY BELLS.

Very ornamental garden plants of easiest culture, beautiful large well-shaped flowers. Hardy perennial. 2 1/2 feet.

- Double Annual Varieties. Finest Mixed..... 5  
 Single Annual Varieties. Mixed..... 5  
 "Cap and Saucer" Canterbury Bells—(Calycanthema Campanula). This is a fine variety, producing plants with white and blue flowers resembling a cup and saucer. Mixed..... 5

## CASTOR BEAN—See Ricinus.

MRS. MARTHA MAROMEY Clinton Co., Ind. "Your seeds are worthy their name ('True Blue.') I have used them for 9 or 10 years and they always give good satisfaction."

CLIFF. A. WILL, Somerset Co., Pa. "We had some of your seeds last year and were very much pleased with them; never had better."

## CALLIOPSIS, or COREOPSIS.

Very handsome, showy plants, with numerous flowers of brilliant colors, of long duration in bloom, excellent for cutting. Of the easiest culture, as they grow rapidly, require no care and thrive in any garden. Seed grows very readily and may be sown where plants are wanted to flower.

- Coronata—Showy, large yellow flower..... 5  
 Golden Wave—(Drummondii)—Bushy, compact plants, covered all summer with hundreds of bright golden flowers two inches across, distinctly marked with dark brown center..... 5



## COLUMBINE—(Aquilegia.)

Exceedingly showy, early blooming, hardy plants, especially valuable for the peculiar formation of their flowers and the great variety of color. Hardy perennial. Double, Mixed—finest colors..... 5

## CYCLAMEN.

These elegant greenhouse perennials have been vastly improved of late years. Our strain is selected from the improved, English sorts, and is conceded to be unsurpassed. Cyclamen seed sown early will bloom the following winter. We can supply the Blooming Buds. (See Buds Page.)

- Persicum—Finest mixed colors..... 10  
 Giant Persian—A magnificent strain with large flowers of rich and varied colors, and large beautifully marked leaves. Mixed..... 25

## CUPHEA, Cigar, or Firecracker Plant.

A pretty bedding or pot plant, familiarly known as Cigar Plant, on account of its fancied resemblance to a lighted cigar. 1 foot..... 5

## CHRYSANTHEMUM.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; also good for pot culture, distinct from Autumn flowering varieties.

### ANNUAL VARIETIES.

- Brilliant Crimson—Very showy..... 5  
 Golden Feather—White band-ed crimson, inner ring canary yellow, maroon eye..... 5  
 Indorum Flore Pleno—Best new sort, with large double white flowers; a free-bloomer; excellent cut flowers..... 5  
 Single Varieties—Finest mixed..... 5  
 Double Varieties—Finest mixed..... 5  
 All sorts Annual Varieties, Double and Single, in finest mixtures, and Single, in finest mixtures..... 5



Chrysanthemums.

## PERENNIAL CHRYSANTHEMUMS.

The following varieties are for pot culture, for blooming in the house in winter, and for florists' cutting for bouquets.

Japanese Hybrids—These are gorgeous autumn-flowering plants. Quite distinct from the old varieties in style of flowers. Seed sown early will produce strong flowering plants the first year.

The seed we offer is from a choice collection of named varieties.

- Double Superb Mixed—All types..... 25  
 Double Good Mixed—All types..... 15  
 Frutescens—"Marguerite," or "Paris Daisy"—Very popular among florists. The pretty star-shaped white flowers are freely produced and easily grown..... 10  
 Maximum—An extra large free-flowering daisy—4 inches across, pure white with yellow center; has long stout stems; lasts a long time when cut; desirable for decorative purposes..... 10

MRS. H. C. MARQUIS, Platt Co., Ills. "We think that your seeds cannot be beaten anywhere, and I doubt if they can be equalled."

MRS. CORA WELLS, Licking Co., Ohio. "Your seeds last year produced successes as they always do. We garden only for family use, but always want 'The Livingston Seed.'"





COBÆA SCANDENS.



CENTRANTHUS.



COLEUS



CONVOLVULUS MINOR.

**COBÆA.** A fine rapid growing annual climber, with handsome foliage and large, beautiful bell-shaped flowers. Seeds should be started in a hot bed or by a warm window in the house, in rather dry soil, as they are apt to rot in open ground. In sowing, place the seed edge down, and do not water unless in a warm place, and the soil becomes very dry. A well established plant will run fifty feet in a season and cover a large vineyard. Flowers a beautiful deep violet blue. Pkt., 5c.

### CENTRANTHUS.

The flowers are small and borne in clusters on light green, almost transparent stems. They form beautiful masses of borders, and are excellent for bouquets and floral work. Hardy annual. Mixed Colors, pkt., 5c.

### CLEMATIS.

A well known and admired rapid growing, free-flowering, ornamental climber. No flower has more rapidly advanced in popular favor than the Clematis. Within a few years it has

become the popular favorite climber of the world. For pillars, trellises or planting about rock-work Clematis cannot be excelled. Seed should be sown in the fall or winter in shallow boxes in the usual way. They will generally lie dormant, even in the green-house, but germinate on the approach of spring. When an inch or two high transplant into boxes or small pots preparatory to planting in open ground in May. Hardy perennial.

**Clematis, Large Flowering, Mixed.** (Jackmanii)—Flowers 3 to 4 inches across, of charming shades of blue, white, purple, etc. .... 10

**Paniculata**—A fine climber; abundantly covered from top to bottom with pure white, fragrant flowers and pretty red seed-pods. .... 10

An Excellent Plant for Cemetery Use.



CINERARIA.

### Coleus.

Beautiful ornamental foliaged plants, both for hot-houses and bedding out during the summer in sheltered places not exposed too much to the sun. The broad, oblong, slightly dentated leaves being of a deep crimson-brown color, edged with green and yellow, or salmon, or mottled in a picturesque manner.

**Extra Fine Hybrids**—A mixture made up of the finest and showiest varieties possible to obtain from special growers. .... 15

**Fine Quality Mixed Hybrids.** .... 10

**New Large Leaved "Fringed Coleus"**—The leaves are extremely large and superbly variegated, deeply cut, lacinated and fringed. The colors and markings are new and fine. .... 15

**COSMOS.** (HYBRIDUS) — Cosmos is now one of the most popular flowers. It is of very rapid growth and makes large bushes five to seven feet high, which are a mass of elegant foliage. The showy flowers are borne on long stems in great abundance, are white, flesh-color, charming light pink and deep rose, each with a bright yellow centre. Both foliage and flowers are excellent for bouquets and vases. They are easily raised from seed, and can be transplanted or grown from cuttings. When well started should be transplanted or left to stand two feet apart.

**GIANT WHITE**—Large pure white flowers; very beautiful; valuable for florists. .... 5

**GIANT PINK**—Large delicate pink flowers. .... 5

**MAMMOTH PERFECTION** ("Giants of California")—The flowers are double the size of any Cosmos yet offered, and of splendid substance; will last two weeks if placed in water as soon as cut. .... 5

**Giant Finest Mixed.** .... 5

**DWARF EARLY DAWN, Large Flowering**—This new variety comes into flower in July and continues a mass of bloom until cut down by frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth—about 4 feet. The flowers are very beautiful and large; petals broad; a very free bloomer; color pure white, flushed with a delicate tinge of rose. Packet, 10c.; 3 for 25c.

### CINERARIA.

A favorite free-flowering green-house plant of wondrous beauty, with flowers of great richness and diversity of color; it blooms during the winter and spring months and can be planted out in summer. They thrive best in a mixture of loam and peat.

**LARGE FLOWERING HYBRIDA**—Choicest prize varieties mixed. .... 20

**LARGE FLOWERING**—Second quality. Very good. .... 15

**MARITIMA (Dusty Miller)**—Fine silvery white foliage; used extensively for ribbon planting, hanging baskets, vases, decorative pot plants, etc. Perennial, but usually grown as an annual. 1 foot. .... 5

Large Flowering Cosmos.

### CONVOLVULUS MINOR.

(Dwarf or Bush Morning Glories.)

Beautiful and showy plants, producing an abundance of richly colored flowers, and in fine weather the flowers remain open all day. They bloom from July until autumn. Hardy annual.

**Crimson-Violet**—White, with crimson-violet margin. .... 5

**Striped**—White, striped blue; a beauty. .... 5

**Choice Mixed**—Many varieties. Oz., 15c. .... 5

**Mauritanicus**—A beautiful trailing plant for hanging baskets, etc. Handsome blue flowers with white throat. .... 5

**CONVOLVULUS MAJOR, CLIMBERS**—See Morning Glory.

### COCCINEA INDICA.

(Scarlet Fruited Ivy-Leaved Climber.)

A handsome climber, with ivy-like foliage, beautiful, smooth, glossy leaves, bell-shaped flowers, and brilliant carmine fruits two inches long. Half-hardy perennial. Ten feet. Packet, 10c.

### COLLINSIA.

Very pretty free-flowering annuals, with a great variety of colors. Fine for massing or raised flower beds. 1 to 2 feet. Mixed Colors, packet, 10c.

### CLEOME PUNGENS.

"Giant Spider Plant."

Showy plant of easy culture. Has curious heads of bright rose colored flowers; blooms early to late. Packet, 5c.



"Early Dawn."

## Carnations and Picotees. Pinks

The most magnificent of all the Pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in the open ground; protect during winter, half hardy perennials. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi double flowers.

**Carnations and Picotees—Stage-Flowers, all classes. Extra Fine Mixed—Of unrivaled quality, and certain to give satisfaction to the most critical**..... 25

**Perpetual or Tree Carnation—Double Choice Colors Mixed**..... 25

**Picotee—Fancy Double Mixed**..... 25

**Scarlet Grenadin—Dwarf and compact; brilliant double scarlet; very early**..... 10

**Finest Mixed—Saved from the finest double named flowers**..... 15

**Fine Double Mixed—A small percentage will come single**..... 10

**Early Flowering Vienna—For open ground culture. CHOICE DOUBLE MIXED, ALL COLORS**..... 10

NEW MARGARET CARNATION.

### • • New Margaret Carnation. • •

The flowers are of perfect form, large and VERY SWEET SCENTED. The brilliant colors range through many beautiful shades of red, pink, white, variegated, etc. Those sown in spring commence flowering in early summer, and continue to bloom in profusion until checked by frost, when they can be potted and taken into the house and will flower all winter, though, if intended specially for winter flowering, it will be better to sow later in the season. The plants are abundant bloomers, quite dwarf, much branched, compact and robust in habit, stands upright without support.

**Mixture of Choice Colors**..... 5

**Giant Margaret—A NEW and very fine LARGE FLOWERING strain. Mixed**..... 10

## Dahlias. From the Seed.

Many are not aware that Dahlias from seed sown in the spring will bloom beautifully the first summer, and give good satisfaction. From one or two papers of seeds many plants can be raised, which will be of the greatest variety of colors, fully equal to many of the finest named sorts. Seeds germinate quickly and easily, and plants grow rapidly. We would advise starting seed under glass, and transplanting to the garden in good rich soil the last of May, where they will grow with surprising rapidity, and bloom early. When not convenient to sow under glass, sow in open ground as soon as the weather permits.

**Double Large Flowering—From select flowers. Extra Choice Mixed**..... 10

**Large Flowering, Double—Fine mixed**..... 5

**Double Pompon (Bouquet)—EXTRA CHOICE mixed, small flowered**..... 10

**Double Pompon—Good mixture**..... 5

**Tom Thumb, Dwarf—NEW, VERY FINE, double Cactus type**..... 10

**Cactus Dahlia—Distinct and beautiful; worthy of general cultivation. Finest Mixed**..... 10

**Single Flowered, Mixed colors—Flowers large, perfectly star shaped, formed of broad petals. They grow and bloom VERY SOON FROM SEED.**..... 5

**Striped and Spotted—New and very beautiful, with finely cut foliage and large single flowers of perfect form and brilliant colors. Mixed**..... 5

**Tom Thumb, Single—Very dwarf—only about twelve inches high and twenty-four inches across. Splendid colors.**..... 10

**LIVINGSTON'S MIXTURE, of Many Colors, and Kinds. 2 packets, 25c.**..... 15



CARNATION PICOTEE.

## Cockscomb. (Celosia Cristata.)

Highly ornamental plants producing crested heads of flowers resembling a cock's comb. Flowers are of many colors and shapes, but the scarlet and crimson are the most brilliant and rich. Showy plants may be raised from seed planted in open ground in May. The older they are transplanted, or shifted, the larger and more beautiful they grow. Should be 3 feet apart. Tender annual.

**New Japan—The combs are delicately cut, while the colors are the brightest imaginable**..... 5

**Queen of the Dwarfs—It grows only eight inches high; combs seven to ten inches across, of perfect form and of brilliant dark scarlet**..... 10

**Glasgow Prize—Very dwarf; immense crimson combs; 1 foot**..... 5

**Golden Beauty—Golden yellow combs; plants only one foot**..... 5

**Dwarf—Choice mixture of all sorts and colors**..... 5

## Ostrich Plume Cockscomb. (Celosia Plumosa.)

Handsome branching plants, about 2½ feet high, with long, graceful feathery plumes.

**Crimson Plumed 5c. Orange Plumed 5c. Mixed Colors 5**

## Cypress Vine. Ipomœa Quamoclit.

This is a most beautiful climber, with delicate, dark green, feathered foliage, and an abundance of bright star shaped scarlet, rose and white blossoms, which, in the bright sunlight, present a mass of beauty. Planted by the side of a veranda, tree or stakes, and trained properly, nothing is prettier. The seed will sprout more readily if warm water is poured on the ground after sowing.

**White 5c. Scarlet 5c. Mixed 5**

**IVY LEAF—Fiery scarlet flowers; heart-shaped leaves.**..... 5

## Datura. Trumpet Flower.

An attractive plant with large foliage and vigorous growth, producing a succession of large, trumpet-shaped flowers, larger than a Calla Lily, and having a faint perfume. 2½ feet.

**Cornucopia—Horn of Plenty.**

A magnificent variety with dark purplish stems. The flower is immense, 7 to 9 inches long, 5 inches wide at the mouth, and conical, having three cones, one within the other, each with spreading, wavy margins. Color is fine purple white, the former predominating outside, and the latter within throat and tube of the flower..... 5

**Wrightii—Large, single white flowers**..... 5

**Double Golden—Brilliant yellow flower of immense size, very showy and fragrant; very double**..... 5

**Double White**..... 5

**Double Purple**..... 5

**Fastuosa—Fine double, mixed colors**..... 5



CORNUCOPIA.





## DIANTHUS PINKS.

**CHINA AND JAPAN.**—Beautiful class of bardy pinks that flower freely the first season. Sow in a hot-bed, transplanting dwarf varieties six inches apart. If not kept too warm are useful house plants. Double varieties produce flowers as large as Carnation or Picotee. Hardy annuals that bloom the second season also if not allowed to bloom too freely the first. One foot high.

### .... DOUBLE ANNUAL VARIETIES. ....

- Chinensis** (China or India Pink)—Superb varieties, double, mixed. 5  
Ounce, 30c. .... 5  
**Hedewigii** (Double Japan Pink)—Beautiful double flowers; mixed colors ..... Oz., 60c. 5  
**Diadematus** (Double Diadem Pink)—Large flowers of dark shades, marked with white and black colors; rich and beautiful. Oz., 75c. 5  
**Imperialis** (Double Imperial Pink)—Choice colors mixed ..... 5  
**Alba Flore-Pleno** (Snowball)—Double white, fringed flowers; fine. 5  
**Mourning Cloak** (White Frill)—A splendid variety, with very double large flowers, of rich purple maroon, almost black, each petal edged with a margin of pure white; distinct, very fragrant. 5  
**The Bride** (Little Gem)—A charming new white with rich purple center; very pretty ..... 5  
**Laciniatus** (Double Fringed Japan)—Magnificent flowers, very large, petals deeply serrated and beautifully striped ..... 5  
**Fireball**—Densely double dark blood-red flowers; extra fine ..... 5  
**Double, Mixed**—Many choice kinds. Large Pkt., 10c.; regular pkt. 5

### ..... SINGLE ANNUAL VARIETIES. ....

- Crimson Belt**—Very large, single, brilliant dark red flowers ..... 5  
**Eastern Queen**—Magnificent single flowers, two to four inches across. Most splendidly striped and stained ..... 5  
**Hedewigii, Mixed**—Flowers 3 inches across; rich, beautiful colors ..... 6  
**Laciniatus, Mixed**—Flowers very large, sometimes three inches in diameter; petals very deeply fringed and beautifully colored ..... 6  
**SALMON QUEEN**—A most beautiful new Single Pink; the tints are distinct from all others; of the most brilliant salmon color imaginable; finely formed and nicely fringed ..... 10

### ..... HARDY PERENNIAL VARIETIES. ....

- Adapted for beds and borders; sweet scented; should be in every garden. 5  
**PLUMARIUS** (Pheasant Eye)—A beautiful single pink, fringed edge, white flowers with dark center ..... 5  
**PLUMARIUS, Double**—Large flowering; fringed; many colors ..... 10  
**NEW PERPETUAL**—Very beautiful, sweet scented, double, semi-double and single flowers in a great range of colors ..... 10  
**GARDEN, OR CLOVE-SCENTED PINKS** (*Hortensis* Varieties)—Beautiful double. Mixed colors ..... 5

## DOUBLE DAISY.

(BELLIS.)

A charming little plant for pots, edgings and borders. Give it a cool, partially shaded place. Sow seeds very early. The flowers are abundant in early spring and may be made to flower later by the use of water. Plants can be removed safely even when in flower. Tender perennial. Six inches.



DOUBLE DAISY.

- Double Mixed**—Finest German seed ..... 5  
**Double White**—Very fine ..... 5  
**Longfellow**—Very double dark pink flowers; of unusual size ..... 10  
**Snowball**—A large and very double pure white daisy. Flowers on long stems; excellent for cutting ..... 10

## DRACÆNA.

(Club Palm.)

Beautiful ornamental leaved plants suitable for vases and house-decoration. Mixed—splendid sorts ..... 10

## ESCHSCHOLTZIA

(California Poppies.)

Summer-flowering annuals with very showy flowers. Sow where wanted to bloom, as they do not bear transplanting. Thin to 6 inches apart. The fine bushy plants grow about 1 foot. One of the best garden plants and easily grown. The large, brilliant saucer-shaped flowers are produced in great profusion.

- California**—Sulphur, orange center. Single ..... 5  
**Mandarin**—Large flowers of a bright scarlet; inner side rich orange. Single ..... 5  
**Finest Mixed Single**—5c. **Double Mixed** ..... 5

## DIGITALIS.

"Foxglove" or "Witches' Fingers." Ornamental bardy border plants, easy culture, having long spikes of showy flowers. 3 to 5 feet. Mixed Colors, 5  
**Spotted Varieties**—Very beautiful, Mixed ..... 5  
**Monstroza, Mixed**—Large spikes of novel and beautiful flowers ..... 10

## EDELWEISS.

*Gnaphalium Leontopodium*—Famous and true Edelweiss of the Alps. Flowers of a downy texture, pure white, star-shape; easily raised from seed. 10

## EUTOCA.

Free-flowering; for beds, borders, etc.; excellent for cutting, because a branch placed in water will bloom many days, and is intense in color. Succeeds best in warm soil, not too rich. Hardy annual. 5

**Eutoca Viscida**—Mixed Colors ..... 6

## EUPHORBIA.

Strong growing annuals suitable for beds of tall growing plants or mixed border; the flowers are inconspicuous; the foliage, however, very ornamental.

**Variegata**—(Snow on the Mountain)—Attractive foliage, veined and margined with white; 2 feet. ... 5

## Heterophylla—Annual Poinsettia.

**Mexican Fir Plant, Painted Leaf**—An annual resembling in habit and color the beautiful house Poinsettia. Plants grow 2 to 3 feet high, of bushy-like form, with smooth glossy green leaves, which, about midsummer become a beautiful orange scarlet, presenting a striking and brilliant appearance ..... 10



ESCHSCHOLTZIA.



**ECHEVERIA.** (Hen and Chickens.) These seedlings will furnish a real surprise, for few people have any idea of the great variety, both in shapes and colorings, that are found among the Echeverias. *Early and cheaply grown from seed.*  
**Many varieties Mixed.** 3 Pkts., 25c. .... 10

**FERNs.** Too well known to need description. They thrive best in peaty, sandy soil and moist, shady positions in the garden in summer. The seed is a little slow to germinate. *Grow very shallow, barely covering the seed with fine soil.*  
**Hardy Mixture.**—A fine collection of best kinds for outdoor culture. .... 10  
**Mixture.**—for greenhouse, not hardy. .... 15

**FOUNTAIN PLANT.** **New Purple.** Resembles a charming dwarf burning cross, with more beautiful purple plumes. An elegant and graceful plant. .... 10



#### FOUR O'CLOCK

(Marvel of Peru.) Old-fashioned, but none the less beautiful. The plant is bushy, two feet high and bears hundreds of flowers during the summer. The flowers are funnel-shaped, white, red and striped; very fragrant. Will grow in any good garden soil, from seed sown in open ground. *Hardy annual.*  
**Four O'Clock.**—Mixed colors, once. .... 15  
**Variegated.**—Gold striped foliage, brilliant flowers. .... 20  
**Tom Thumb, dwarf.**—Handsome little dwarf bushy plants about twelve inches high, filled with many flowers. All colors—mixed. .... 5

#### SWEET SCENTED (Longiflora)

—Long white, very fragrant flowers. .... 5

**FREESIA.** Very easily grown bulbs, which can be readily produced from seed and flowers bloom the first season. Flowers pure white with yellow throat, and exquisitely fragrant. .... 5

**FUCHSIA.** Fuchsias are as easily grown from seed as cuttings, and from seed many new varieties are obtained. They will flower freely the first year in open ground while the plants can be taken in the house in the winter, where they flower still more freely. **Finest Single and Double varieties, Mixed.** .... 15



#### FORGET-ME-NOT.

(Myosotis.) The Forget-Me-Not is an old favorite plant, bearing clusters of star-shaped, delicate blue flowers with white and yellow eyes. It flourishes best in a moist, shady situation, and is in constant bloom nearly the whole season. Blooms the first year from seed if sown early. Seed sown in autumn will succeed best and flower in early spring. *Hardy perennial.*  
**Alpestris.**—Bright blue, free blooming. .... 5  
**Victoria.**—Of blue habit; covered with large, azure-blue flowers; very fine. .... 10  
**Alpestris.**—Alba—pure white; ½ foot. .... 5  
**Robusta.**—Large sky-blue flowers, clear yellow eye; distinct; very fine. .... 5  
**Disitiflora.**—Compact habit; profuse early bloomer; large flowers of exquisite blue; an attractive bedding plant; ½ foot. .... 10  
**Semperflorens.**—Charming dwarf variety; thrives in sun or shade; from early to late with beautiful blue flowers. .... 5  
**Forget-me-Not.**—mixed kinds. .... 5

#### GERANIUMS

FROM SEED.

**Zonale.**—Mixture of largest and finest sorts. .... 10  
**Double Varieties, Mixed.** .... 25  
**Variegated Leaved.**—Bronze, Gold, Tri-color sorts. .... 15  
**Lady Washington.**—Pelargonium—splendid mixed. .... 20  
**Apple Scented.**—Fragrant. .... 10

#### GLADIOLUS.

Magnificent plants with sword-like leaves and long spikes of flowers of every conceivable color and shade. The variations are now numbered almost by thousands, each year bringing forth new and choice selections which have been produced from seed. *Half hardy perennial.*  
**A splendid mixture.** .... 10



Geranium.

**GILLA.** A familiar and popular garden plant with finely cut and delicate foliage, producing dense clusters of clustered blossoms. Beautiful foliage and flowers. Sow in masses early in spring in good soil. *Hardy annual.* 1 foot. **Mixed Colors.** .... 5

**GLOXINIA.** The Gloxinia is a grand flower and makes a lovely pot plant; as easily grown and cared for as many of the common flowers. Without seeing them no one can appreciate their unrivaled beauty; they are of large size, beautiful shape and profuse bloomers, the colors ranging from pure white to dark blood red, pink, lavender, indigo-blue, marbled and spotted. Flowers will last in water, when cut, two weeks.  
**Our Splendid Mixture.** of best kinds, is unsurpassed. .... 25

**GLOBE AMARANTH.** (Everlasting.) Annuals with bushy plants two feet high, bearing profusely; an excellent everlasting or Immortelle; also ornamental as summer blooming plants; flowers globe-shape, white, purple, orange and variegated; retain their shape and color for years; also good for cutting as fresh flowers. By some called "Bachelor's Button." **Double Mixed Colors.** .... 5  
**Dwarf Double, Mixed.**—Of very compact, dwarf habit. .... 5

**GOLDEN ROD.** National Flower of the United States. Four to six feet. The favorite golden yellow, hardy perennial. .... 5

**GOURDS.** Small Ornamental Sorts. A great variety of curiously formed and marked fruit. The vines are of rapid growth and with luxuriant foliage; adapted for covering screens and arbors; 10 to 15 feet high. **Mixed,** many beautiful kinds. .... 40  
*For other varieties of Gourds see Vegetable list.*



Gourds.

**GYPSOPHILA.** Small fragrant flowers, borne on long, feathery stems. No flower adds more light and grace to a bouquet than this, and when once grown will be found indispensable. In bloom from July until frost. Although not belonging to the Immortelle class, the flowers dry finely and are desirable for winter bouquets.  
**Murals,** dwarf annual of compact growth, 1½ feet, for edgings; flowers pink. .... 5  
**Paniculata.**—A graceful hardy plant; flowers in feathery white panicles; 1½ feet. .... 5

**GREVILLEA ROBUSTA** "Silk Oak." Beautiful and graceful foliage; highly valued as a decorative plant for the table. *Easily raised from seed.* .... 10

**GOETIA.** An attractive and very beautiful hardy annual. The profuse flowering plants are covered with handsome shaped flowers of beautiful and delicate colors. Deserving of extensive cultivation; a child can grow them, growing in almost any good garden soil.

**Bijou.**—Flowers splendid, white with large carmine spots; bears two to three hundred flowers to a plant, 12 inches in diameter. .... 5  
**Fine Mixed.**—Many sorts and colors. .... 6

#### GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom during summer and autumn.

**Lorenziana.**—One of the most valuable annuals we have for cut flowers; beautiful and distinct in appearance; flowers globular, borne on slender stems; finely fringed; early; continuous in bloom until frost.

**Double, Finest Mixed.**—A rich mixture. .... 5

**Single Flowering Varieties.**—Many beautiful colors. .... 5

**Grandiflora.**—One of the most showy and perpetual blooming hardy plants. .... 5  
**Many colors mixed.** .... 5



Gaillardia.

**HELIANTHUS.** (Sunflower.) A well known genus of most showy plants, remarkable for their brilliancy and size of their flowers; also said to absorb the miasma from the atmosphere, thereby being a fever and ague preventive.

**"Stella."**—New and beautiful; blooms all summer to late fall; small green foliage, fine yellow flowers with black disc; splendid for cutting. Flowers 2 to 3 inches across; grows 3 to 4 feet high. .... 5

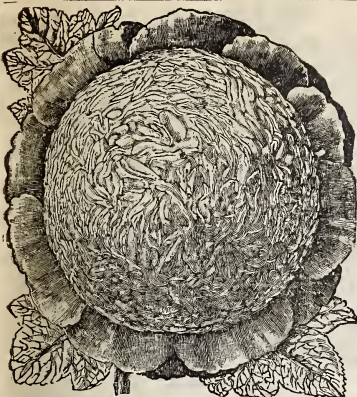
**Sunflower—Our Mixture.** .... 15  
**Miniature.**—A showy variety of dwarf branching habit; blooms profusely all season; flowers 2 inches in diameter, orange yellow, black disc. .... 5

**Globe of Gold.**—Globe shape, extra double; large flowers, very much resembling a fine yellow dahlia; 4 feet. .... 5  
**Mammoth Russian.**—Very large, single flower. .... 10

**HUMULUS JAPONICUS.** (Japan Hop)—This new is a splendid annual climber for rapidly covering arbors, walls, terraces, etc. **Japonicus** .... 5  
**New Variegated.**—Leaves beautifully variegated with white. .... 10

**HYACINTH BEAN.** (Dolichos Lablab.) A splendid annual climber, with abundant clusters of spikes of purple and blue flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth, climbing 20 feet in a season. **Purple and White, mixed.** .... 15





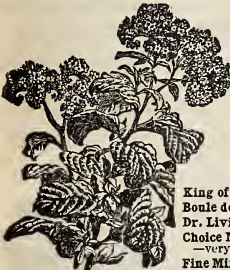
Double Hollyhock.

**HOLLYHOCK.** The Hollyhock, in its present state of perfection, is very unlike its parent of olden time; it now ranks with the Dahlia, Aster, etc., or a background to Tower-garden, perhaps no plant is so useful; the flowers are as double as a rose, of many shades of color. Hardy perennial; five feet high. The seed we offer of this handsome flower has been saved from the best collections in Europe.

**NEW FRINGED MAMMOTH DOUBLE, ALLEGHENY.** A decided improvement over the old-fashioned variety. Its fine, transparent, fringed flowers look as if they were made up of crushed silk, and are from FIVE TO SEVEN INCHES ACROSS. Colors—shell-pink, rose, ruby-red, etc. A plate filled with flowers is very handsome and as flowers to wear they are very lasting. Perpetual bloomers. 10

#### SUPERB DOUBLE VARIETIES.

Pure White	10	Pink	10
Faust, Black, edged white	10	Lemon color	10
Extra Choice—Double mixed, many kinds	10		
Good Mixture	10		6



#### HELIOTROPE.

Everyone loves the delightful fragrance and beauty of the heliotrope, but very few are aware of the fact that it can be raised from seed as easily as verbenas. Seed sown in open ground the plants will flower in August, while a fine display can be had earlier by starting the seed in the house and setting out plants when the weather is warm.

King of the Blacks—Very deep	10
Boule de Neige (Snowball)	10
Dr. Livingston—Very fine dark sort	10
Choice Mixed—Dark flowering sorts—very fine	5
Fine Mixture—light and dark shades	5

#### IMPATIENS—(Zanzibar Balsam.)

This plant is of compact, neat habit of growth, and almost a perpetual bloomer. Planted out in the open air at the end of June it grows luxuriantly, flowers with the greatest profusion. A beautiful plant for window culture in winter. Tender perennial. One foot. 10

**Sultan—Bright rose** 10  
**Florida—Finest Mixed** 10

**JOB'S TEARS—(Coix Lachryme.)**  
An ornamental grass which, when dried and tastefully arranged with everlasting flowers, makes an attractive winter bouquet. Half hardy annual. One to two feet. 5

#### KENNELWORTH IVY—(Linaria Cymbalaria.)

A hardy and pretty little climber for covering rock-work and very useful for hanging-baskets, vases, etc. Hardy perennial. 10

**LUPINUS. (Sun Dial.)**—Strong growing garden annuals of easy growth, with graceful spikes of rich and varied colored flowers; useful for mixed beds and borders. 1½ to 3 feet. Finest Mixed Colors. 5

#### HIBISCUS.

A branching plant of the easiest culture, with very pretty foliage and large flowers, exceedingly showy, and continue to bloom from June to October. Sow seed early. Hardy annual.

**Africanus—Flowers cream-yellow, with purple center.** 5

**Crimson Eye—One of the best plants of the recent introduction. The very large white flowers have a deep crimson center. Succeeds anywhere and blooms profusely.** 10

**Giant Yellow—A shrubby perennial with flowers 6 to 9 inches in diameter. The color is a rich deep ochre with velvety garnet center. Seed could be started early in the greenhouse or window, so as to set outside early in the season.** 10



Hibiscus, Crimson Eye.

#### HELICHRYSUM—(Everlastings)

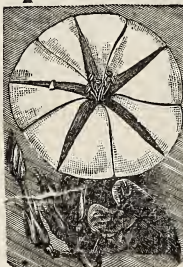
Large, full, double everlasting flowers, of various colors, from bright yellow to scarlet, shaded and tipped, also pure white. Particularly desirable as dried specimens, and exceedingly handsome bouquets may be formed of them for winter. If blossoms be gathered when on the point of expanding. Sow in spring in any good garden soil, and thin the plants to one foot apart each way. Hardy annual.

**Large Flowering Double Mixed, rich mixture.** 5  
**Dwarf Mixed—A mixture of many choice dwarf kinds.** 5

#### Ice Plant.

A singular looking plant with thick, fleshy leaves, which have the appearance of being covered with crystals of ice. Start early in pots, and transplant into light sandy soil in warm situation. Tender annual. 5

#### Ipomoea. BRAZILIAN MORNING GLORIES



Climbers of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors or stumps of trees, they are invaluable.

**New Northern Light—The earliest blooming of all evening glories; its lovely pink, lavender colored flowers are about two inches in diameter, has large, hand-ome foliage; a great drought resister, remains fresh and green when others are yellow and withered for lack of moisture; rampant growers from the very start; will grow fifty feet in a very short time.** 10

**Brazilian Morning Glory—(Season)—Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters, very freely from July to frost. Leaves 8 to 12 inches across. As a quick growing vine and dense shaver it has no equal, covering an enormous space in a few weeks' time. We know of nothing better for covering trees, porches, etc.** 10

**Coccinea—Small scarlet flowers in profusion; also known as the "Star Ipomoea".** 5

**Bona Nox—(Evening Glory)—Violet, large, fragrant flowers, expanding in the evening.** 5

**Heavenly Blue—(Rubro-Corulea)—Immense flowers of bright sky-blue, very beautiful.** 10

**Noon Day Glory—(Sinuata)—A lovely climber, vines slender, leaves distinct from others, being deeply cut, flowers open bell-shaped, white with red throats. Flowers open in the morning and close at night. Sow seed early after soaking in warm water until they swell.** 10

**LEARN—"Blue Dawn Flower"—This is a grand companion to the White Moon Flower. It has a lovely satin blue flower with crimson bars. Planted with the White the effect is great. Of easy culture outside and a grand green-house climber.** 10

**MOON FLOWER—White Seeded (Ipomoea Noctiflora, or Grandiflora Alba)—The variety most generally grown, being larger in flower, firmer in texture and of sweeter odor than the common black seeded variety. It bears in greatest profusion its lovely immense white flowers, five to six inches in diameter, with a five-pointed star in the center; the flowers are deliciously fragrant. If planted in rich ground, in a sunny situation, the vines attain a height of 25 feet.** 10

**MOON FLOWER—A new Cross-Bred, or a Hybrid—Of great value for the North, as it is in bloom a month earlier than the preceding; flowers pure white, large and fragrant. It grows very rapidly to thirty to forty feet.** 10

**LANTANA.** Popular free-blooming and very rapid growing plants with large flower heads of various colors which emit a powerful aromatic perfume and are continually changing their color. Plants form bushes; during the summer are completely loaded with blossoms, succeeded by berries, which, when ripe, turn deep blue. Start plants in the house or hot-bed; protect from frost; tender perennial. Finest Mixed. 5

**LARKSPUR.—(Delphinium.)**

The Larkspur is one of the handsomest and most useful of all plants and will bloom in the driest places, with surprising persistence. The brilliancy of some of the colors is unsurpassed.

**HARDY ANNUAL SORTS.**

**New Chinese**—Hardy plant of great beauty; produces great handsome flowers; plant in roses twelve each year. **Very fine mixed colors** ..... 5  
**Double Dwarf Rocket**—Flowers 12 inches. **12 good heads mixed** ..... 5  
**Double Tall Rocket**—Finest tall-growing kinds mixed ..... 5  
**Tall Stock-Flowered**—Spikes of double flowers 15 inches long; very beautiful; branching; 2 feet. Many brightest and best colors mixed ..... 5  
**Emperor**—Compact and profuse bloomer, having erect spikes of perfectly double flowers in the most delicate colors; beautiful in manner and fine for winter bouquets. **Mixed colors** ..... 5

**BEST HARDY PERENNIAL SORTS.**

**Formosum**—Rich blue flowers; long spikes; fine for cutting; 3 feet ..... 5  
**Choice, Mixed**, comprising a wide range of shades and colors, white, pink, blue and purple ..... 5

**LOBELIA.** Exceedingly pretty, profuse-blooming plants of great value to the flower garden; their delicate drooping habit and profusion of charming little flowers render them ornamental. **Annual sorts** ..... 10

**Golden**—Collet colors; foliage and deep blue flowers; charming ..... 10  
**Crystal Palace**—Compact; dark blue; excellent for edging ..... 5  
**Emperor William**—A very intense blue flower; one of the best ..... 10  
**White Gem**—Dense balls of pure snow-white flowers; beautiful ..... 5  
**Royal Purple**—Dark stalks; deep blue flowers; distinct white eye ..... 5  
**Gracie**—Fine for hanging baskets, vases, etc.; light blue; trailing ..... 5  
**Finest mixed, Compact Varieties, in many colors** ..... 5

**LYCHNIS.** But few plants produce such bright bloom and the first season from seed.

**Hage, Hybrida**—Fine mixed varieties ..... 5  
**Grandiflora Grand**—Immense scarlet flowers. 3 feet ..... 5

**MARIGOLD.**

Well-known plant with handsome flowers of rich and beautiful colors and neat, compact green foliage, producing a splendid effect in almost any situation. Half bushy annual.

**Legion of Honor—"Little Brownie"**—The prettiest and handsomest of all dwarf Marigolds; bloom from beginning of summer until late in the fall. Flowers a beautiful rich golden-yellow marked with large blotches of velvety brown, 1 foot ..... 5  
**Tall African, mixed**—Many double varieties, 1 foot ..... 5  
**French Dwarf, double, mixed**—Compact bushes with masses of very double flowers. 1 foot ..... 5

Marigold, "Legion of Honor."

**MIGNONETTE.**

A well-known plant producing semi-globular heads of very fragrant flowers on spikes 10 to 19 inches long. Sown at intervals during the spring and early summer it will bloom until killed by frost; sown in autumn will bloom early in spring. Hardy annual; perennial if protected.

**Reseda Odorata (Sweet Mignonette)**

A well known fragrant hardy annual ..... Oz., 15c. 5

**Parson's White**—Robust habit; pure white ..... Oz., 30c. 5

**Victoria Red**—A perfect beauty; beautiful pyramidal spikes of pretty, brilliant red flowers, dark glossy green foliage ..... Oz., 50c. 5

**Miles' Spiral**—Very pretty flower spikes 8 to 12 inches long. A strong grower and most abundant bloomer ..... Oz., 15c. 5

**Grandiflora—True**—Large flowering Sweet Mignonette ..... Oz., 15c. 5

**Golden Queen**—Fine; flowers of golden hue ..... Oz., 30c. 5

**Bismarck**—New last season; strong growing plants, about one foot high; flower spikes very broad, pyramidal in form, thickly covered with beautiful reddish blossoms. We pronounce it a coming standard ..... 2 packets, 25c. 15

**Machet**—Dwarf; good habit; produces large spikes of sweet-scented red flowers, one of the best for garden or pot culture ..... Oz., 40c. 5

**GOLDEN MACHET**—Large spikes; golden-yellow flowers. Oz., 40c. 5

**Ruby**—New. A greatly improved large flowering variety of the Machet type; very strong spikes of beautiful scarlet flowers ..... 10

**Allen's Defiance**—When well grown spikes are 10 to 15 inches long; flowers very fragrant; keep their heads after cutting, retaining their grace and fragrance to the last ..... Oz., 25c. 10

**Many Kinds Mixed** ..... Oz., 25c. 5

**MOON FLOWER.—SEE IPOMÆAS.**



New Japanese Morning Glories.

**JAPANESE MORNING GLORIES. NEW GIANT FLOWERED.**

Most beautiful and valuable annual flowers introduced in 25 years, and the most popular. Magnificent in size and appearance. The great variety of rich and delicate colors, tints and markings is wonderful and almost incredible. Many are of very odd and singular forms. The foliage is almost as beautiful as the flowers, and they would be worthy of culture even if they had no flowers. The leaves are of various forms, some ivy-like, smooth and glossy; others very hairy, some are green, splashed and variegated. Vines grow rapidly, climbing from 15 to 30 feet, and soon cover arbors, piazzas, etc., with a mass of rich foliage and flowers. Price of true Japanese stock—1/2 oz., 10c.; 1 lb., 15c.; 4 ozs., 50c. 5

**NEW DOUBLE FLOWERING JAPAN**—Rapid climbers; flowers mostly double, semi-double and a few may come single. Beautiful colors mixed ..... 10

**COMMON MORNING GLORIES. (Convolvulus Major.)**

The best known and most popular annual climber we possess, growing 30 to 50 feet. **Splendid Mixture of Choicest Kinds**—Many bright colors—1 lb., 75c.; 1 lb., 25c.; Oz., 10c. 5

**White** 5c. **Rose** 5c. **Blood Red** ..... 5

**For Dwarf or Bedding Morning Glories see CONVOLVULUS MINOR.**

**MATRICARIA.** Alba Plenisssima—"Double white Feverfew"—Bushy annual garden plant, bearing quantities of white double button-like flowers, useful for cutting; succeeds in any garden soil; fine for bedding or pot-culture. 10

**MINA LOBATA.** A rapid and luxuriant climber. Flowers tube-like, and borne on graceful drooping spikes from bottom to top; bright red, changing to orange, then cream. Tender annual. Start early in pots. 15 to 20 feet. 10

**Mina—Sanguinea**—A most beautiful annual climber; an early and profuse bloomer; has oak-like leaves; its large clusters of flowers are blood-red with a yellow throat. Soon climbs 20 to 30 feet. 10

**Lobata and Sanguinea, mixed** ..... 10

**MAURANDIA.** One of the most popular climbers. Beautiful, rapid growing, blooming profusely until late in autumn; also fine for the conservatory or greenhouse; if desired for the house take up before approach of frost. A half-hardy perennial, flowering the first season if sown early. Mixed, Choicest Kinds ..... 5

**MIMULUS.** Monkey Flower. Showy, profuse flowering plants, comprising numerous varieties with white, sulphur and yellow grounds, spotted with crimson, scarlet and pink; fine for greenhouse or moist, shady situations; half-hardy perennials; seed sown early will bloom first season; cover seed slightly. 5

**Fine mixed spotted varieties** ..... 5

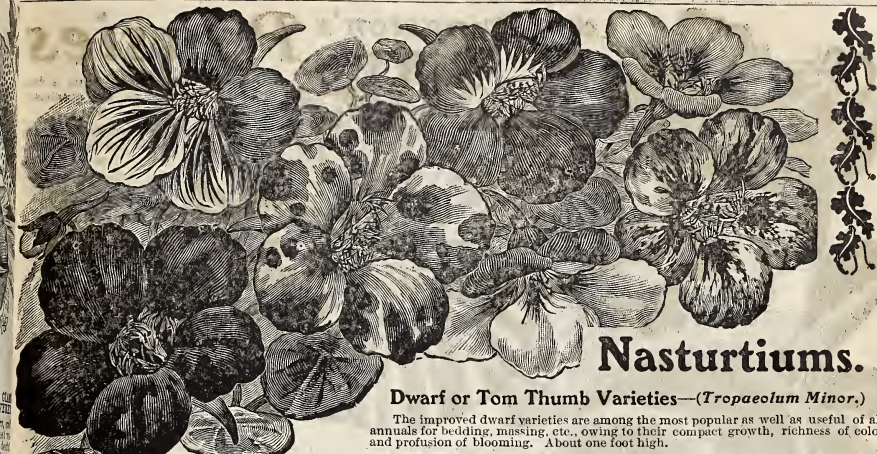
**Moschatum—Musk Plant**—Fine for hanging baskets, etc.; small yellow flowers; the thin delicate leaves emit a pleasant musk odor ..... 5

**MUSA ENSETE.** (Abyssinian Banana Plant)—Strikingly effective as single specimens upon the lawn, as well as in clumps or masses. Its rapidity of growth is astonishing; if the seed is sown early in the house, they will attain a height of 10 to 12 feet the first summer. The leaves are magnificently long, broad and massive, of a beautiful bright green. Musa ..... 25



Maurandia.





## Nasturtiums.

### Dwarf or Tom Thumb Varieties—(*Tropaeolum Minor*.)

The improved dwarf varieties are among the most popular as well as useful of all annuals for bedding, massing, etc., owing to their compact growth, richness of color and profusion of blooming. About one foot high.

PRICE of any of the following Named Varieties—Packet, 5c.; Ounce, 15c.

**Aurora**—Deep chrome yellow vined with carmine.

**Crystal Palace**—Yellow, carmine spots.

**Cloth of Gold**—Scarlet flowers, yellow foliage.

**Empress of India**—Brilliant dark scarlet.

**PRINCE HENRY**—Brilliant golden yellow, spotted scarlet, tipped with wine red.

**Golden King**—Brilliant yellow.

**King Theodore**—Flowers velvety crimson.

**King of Tom Thumbs**—Intense scarlet flowers.

**Ladybird**—Rich golden yellow, crimson spots.

**Pearl**—Creamy white.

**Ruby King**—Distinct, light ruby red.

**Spotted King**—Deep yellow, chocolate spots.

**Dwarf Mixed**—Many Fine Kinds. Pkt., 5c.; oz., 10c.; ½ lb., 30c.; lb., \$1.00.

### Lobb's Climbing Nasturtiums.

As easily grown as the common Tall Nasturtiums, but the brilliance and profusion of blooming of the Lobbianum varieties render them superior for greenhouse or conservatory decoration in winter, also for trellises, arbors, vases, etc., in summer. 10 to 15 feet.

PRICE of any of the following named varieties, pkt., 5c.; oz., 15c.

**Brilliant**—Rich bright scarlet. **Giant of Battles**—Sulphur-spotted red.

**Lucifer**—Bright glowing scarlet. **King of the Blacks**—Deepest brown. **Spitfire**—Fiery red; fine.

**LOBB'S MIXTURE**, of above and many others, fine varieties. Pkt., 5c.; oz., 15c.; ½ lb., 30c.; lb., \$1.00.

### Madame Gunther's Hybrid Nasturtiums

For richness and variety of colors these new hybrids have no equals among Nasturtiums. There are shades of rose, salmon, brightest red, pale yellow, either as self colors or spotted and striped. The foliage is mostly dark and contrasts very effectively with the rich colors. They are Climbers and free and continuous bloomers. Price.—Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; ½ lb., 35c.; lb., \$1.25.

### Nasturtium--New Dwarf Chameleon



Flower of New Dwarf Chameleon Nasturtium.

(True French)—This highly interesting new variety presents a most unusual feature, which is that the flowers are of different colors on the same plant, and that they are variously blotched, splashed, striped, and bordered with these several colors. On one and the same plant self colored flowers are found, others curiously stained or flushed on clear ground, while others are broadly edged with light shades or have dark margins. Pkt., 5c.; oz., 15c.

### Tall Chameleon. (French)

—A tall growing sort, whose flowers have the same habit of continuous change of color as those of the Dwarf Chameleon. Unsurpassed for covering trellises, fences, etc.

Pkt., 5c.; oz., 15c. Oz., 25c.; ½ lb., 45c.

### New "Lilliput" Nasturtiums.

A Grand New Class. Plants are smaller in every respect than Tom Thumb. The many small flowers of varied charming colors are borne well above the foliage; leaves are small and round. For beds and borders, very effective indeed. Many colors mixed. Pkt., 5c.; oz., 15c.

### Tall, or Climbing Varieties.

Beautiful and luxuriant annual climbers for verandas, etc., of the easiest culture. Profuse bloomers until killed by frost. Stands heat and drouth without the slightest effect. The seed pods may be gathered while green and tender for pickling. Six to ten feet. PRICE of any of the following named varieties, pkt., 5c.; oz., 15c.

**Crimson**—Rich and glossy. **Lemon Yellow**—A fine variety.

**Scarlet**—Intensely bright. **Yellow Spotted Crimson**.

**Striped Scarlet**.

**King Theodore**—Deep crimson, dark leaves, very striking.

**Golden Cloth**—(New)—Foliage bright yellow; flowers scarlet.

**Tall Kinds.**—Extra fine mixture—Pkt., 5c.; oz., 10c.; ½ lb., 30c.; lb., \$1.00.



Plant of New Dwarf Chameleon Nasturtium.

**Nicotiana.** A very pretty, large flowering tobacco. Half hardy annual.

**Affinis**—Rosy blush; sweet-scented, white flowers. Three feet. Pkt., 5c.

**Collossea**—New giant; immense foliage. Five or six feet. Pkt., 5c.

**Oxalis.** Pretty little half trailing annuals, for hanging baskets, vases, rockwork and edgings, flowering in profusion; six to nine inches. **Mixed**—Annual sorts; Pkt., 5c.

**Nigella.** (Love in a Mist, or Devil in the Bush).—A compact, free-flowering plant with finely cut foliage, curious looking flowers and seed pods; hardy annual. **Damascena**—Mixed, blue and white; 1 foot. Pkt., 5c.

**Enothera.** (Evening Primroses or Sun Drops).—Large, showy flowers of various colors; hardy annual.

**Fine Mixed**—Pkt., 5c.

**Mexican Primrose**—1 foot high; large, bright yellow flowers. Pkt., 10c.

# Livingston's Pansies

Our Pansy Seed is the Best to be obtained.

This Favorite Flower is one of our Specialties.

The following varieties and mixtures are secured from special Pansy Growers in the United States, England, Germany, France and elsewhere, regardless of cost. We do not hesitate to recommend them with the greatest confidence to florists having the most critical taste.

These charming favorites are very much improved in color, size and shape, and no flower is more popular with florists and amateurs, giving an abundance of bloom until after severe frosts, enduring our hard winters with safety, and crowding us in the earliest spring with a profusion of bright blossoms. It will flower better in the middle of the summer, and furnish

flowers of enormous size. An altogether distinct and beautiful new race, the flowers of which are larger than any hitherto produced. Each flower is marked with three large blotches or spots, and the plants are of compact growth and produce an endless variety of beautiful shades.

## Giant Trimardeau Pansies.

Flowers of enormous size. An altogether distinct and beautiful new race, the flowers of which are larger than any hitherto produced. Each flower is marked with three large blotches or spots, and the plants are of compact growth and produce an endless variety of beautiful shades.

TRIMARDEAU GIANT WHITE—Very beautiful, white, with violet eye.....	10
TRIMARDEAU GIANT BLACK—The finest large flowering black Pansy.....	10
TRIMARDEAU GIANT STRIPED—Flowers of enormous size, beautifully striped.....	10
TRIMARDEAU GIANT YELLOW—One of the finest and showiest. A beautiful clear yellow, heavily blotched on the three lower petals.....	10
TRIMARDEAU GIANT PARISIAN LARGE STAINED—Very showy, mostly white ground and fine blotched.....	10
TRIMARDEAU GIANT DEEP BLUE—A superb variety.....	10
TRIMARDEAU GIANT MIXED—including all above varieties.....	10

**Above Collection of Trimardeau Pansies, including one of Trimardeau Mixed, for 50c. postpaid.**

**Tufted Pansies.** Finest mixture of these long and free blooming new varieties..... 10

## Empress Pansies.

Seed direct from a noted Pansy Specialist of England. This extraordinary fine "make-up" has carried off more prizes than any other shown at the many critical exhibitions in that country..... 25

## Bugnot's Giant Blotched.

Flowers of enormous size, nearly circular in form, and in a great variety of the handsomest and rarest colors, including some shades found in no other variety. Each petal has a distinct, deeply colored broad blotch..... 10

## Cassier's Giant Odier, Five-Blotched.

The largest flowered and heaviest blotched of this class. Various colored, large, handsome, perfectly formed flowers, dark spots on each petal. Mixed..... 10

## VARIOUS NAMED PANSIES.

PRESIDENT CARNOT—A New Pansy of striking beauty; petals pure white, with deep violet blotch.....	10
GIANT BLACK—BLUE—Large and very distinct; of richest blue.....	10
VICTORIA—A fine wine colored variety; effective.....	10
PEACOCK—Bright colored, large and beautiful, the upper petals being of a beautiful ultramarine blue, resembling in shade the Peacock feather. Lower petals deep claret, with white margins.....	10
EMPEROR WILLIAM—Large, handsome flowers, brilliant ultramarine blue, with purple-violet eye, borne in great profusion.....	5
LORD BEACONSFIELD, Giant—A highly attractive variety; large purple-violet; white on the upper petals.....	5

## Special Pansy Offers.

We offer buyers choice of one or more kinds of the above Five 5-cent packets for 20c.; three 10-cent packets, 25c.; seven 10-cent packets, 50c.; three 25-cent packets, 60c.; 15 packets, brightest and best Pansies, our selection of varieties, mailed for only \$1.00. Price by the Ounce, of any variety of Pansy, will be furnished on application.

PHEASANT'S EYE—A pretty and most peculiar Pansy. Upper petals light blue edged violet, lower petals marbled and spotted.....	5
GIANT HORTENSIA—A fine new red variety.....	10
FAIRY QUEEN—A beautiful light blue, white bordered pansy.....	10
FIRE KING—Golden yellow, upper petal purple; very showy.....	5
BELGIAN STRIPED—Lovely class; beautiful flowers, various shades.....	5
AZURE BLUE—Extra fine; lavender, shaded dark blue.....	5
LIGHT BLUE—Lovely sky-blue variety; very fine.....	5
YELLOW (Black Center)—A splendid yellow with dark eyes.....	5
YELLOW GEM—Without eye. A beautiful pure yellow Pansy.....	5
DARK PURPLE—A fine, rich deep purple.....	5
MAHOAGANY COLORED—The best rich mahogany brown.....	5
SNOW QUEEN (Snowflake)—Delicate satiny white; very pretty.....	5
KING OF THE BLACKS (Faust)—Almost black; darkest known.....	5
SILVER-EDGED—Dark purple, distinct white edging; charming.....	5
METEOR—Bright brown with a beautiful margin of yellow.....	10
GOLD MARGINED—A splendid yellow edged pansy.....	5
PURE WHITE (Black Center)—One of the showiest.....	5
VIOLET—Margined with white; extra fine.....	5

## NOTED MIXTURES OF PANSIES.

GERMAN IMPERIAL, Mixed—A splendid mixture of the well-known German Pansy.....	10
ENGLISH PANSY, Finest Mixed—The true English Face Pansy. Very showy; each marked with a distinct face. Plant compact.....	10
FRENCH PANST—Large flowering, in choicest mixture.....	10
NON PLUS ULTRA—Very choice mixture of finest varieties. Richest mixture ever sent out by a noted German Pansy Specialist.....	10
INTERNATIONAL MIXTURE—"All Nations"—A favorite mixture 10	
MANMOUTH BUTTERFLY MIXTURE—Gorgeous..... 2 packets.....	15
LARGE FLOWERING—Many separate colors..... 4 kinds.....	
Very Fine Mixed. ½ oz., 25c.; ¼ oz., 40c.; oz., \$1.25.....	
GOOD QUALITY, Mixed—¼ oz., 30c.; oz., \$1.00; 4 pkts. for 15c.....	



# Pansies.

## Livingston's.

### Fancy Mixture.

This Mixture has Become Famous  
the Country over and we Defy  
the World on it . . . .

The seed is saved from the largest and rarest flowers of most perfect form, richest colors, and first-class in all points. Universally admired, and sure to please all lovers of choice, large and fancy Pansies. The small difference in cost of seed over that of other mixtures is covered 100 fold in satisfactory results obtained by the grower. Packet, 25c.; 3 packets for 60c.

Livingston's Mixture of **Pansies** A get up of our own for an attractive and beautiful bed of these beauties. It contains many of the finest reds and scarlets found among the best growers both at home and abroad. Packet, 10c.; 3 packets, 25c.



**GIANT FIRE KING PANSY.** NEW. A very bright and showy color; rich crimson and gold flowers of good texture and fine form. ALL SHOULD TRY THIS GRAND NEW PANSY. Packet, 10c.

**PENTSTEMON**..... A popular and most beautiful and attractive hardy plant. Bears long, graceful spikes of rich-colored flowers of white, pink, scarlet and blue, beautifully spotted and marked. 2 to 3 feet.  
**Large Flowering Mixture**..... 5

## PORTULACA.

dry sandy soil in open ground as soon as it has become warm. The bed have full exposure to the sun and without water after the plants appear. They will stand any amount of dry weather. Blossoms of double varieties are about 1½ inches across, perfectly double, of many colors, and remain open all day. Tender annual, 9 inches high. **FINEST SINGLE, Mixed**—Many beautiful sorts. 5  
**DOUBLE ROSE-FLOWERED**—As double as the most perfect rose. Many Colors Mixed..... 10  
**Double White**..... 10c. **Rich Scarlet**..... 10c. **Bright Orange**..... 10

## Primula.

### FIMBRIATA LARGE FLOWERING FRINGED SORTS.

**BEST WHITE**—Finely fringed. 25c. **FERN-LEAVED, Choicest Mixed**..... 20  
**LARGE FLOWERING FRINGED**—A superb mixture that gives the greatest satisfaction..... 25  
**LARGE FLOWERING, Unfringed**—Finest mixture; gives satisfaction for general purposes..... 15  
**DOUBLE FRINGED LARGE FLOWERING**—Splendid mixture of finest sorts; cannot fail to please..... 35  
**OBCONICA**—Lowly and prostrate blooming Primrose bearing on long stems heads of beautiful flowers; white, tinged lilac and rose shades; everblooming; true Primrose fragrance 10  
**JAPONICA (Japanese Primrose)**—Bright, showy flowers borne on stems 8 to 12 inches long. Mixed Colors, crimson, maroon, lilac, pink, white, etc..... 10

## PYRETHRUM.

**(FEVERFEW)**—Hardy Flowering Varieties—Valuable hardy border plants throwing up numerous stems about two feet high, each surmounted with flowers 2 to 4 inches across; colors rose, flesh, pink, crimson, etc. Remains in bloom a long time. (Also see *Matricaria*.)  
**Single Large Flowering Hybrids Mixed**..... 10  
**Double Large Flowering Hybrids Mixed**..... 10  
**Roseum**—(Persian Insect Powder Plant).—From the dried and powdered leaves is made the famous Insect Powder. Fine large flowers, white to pink and deep rose color, borne on long stiff stems; valuable as a cut flower. Entirely hardy. 2 feet..... 10

### PYRETHRUM-YELLOW FOLLAGE SORTS—"Golden Feather."

Dwarf-growing plants extensively used for ribbon and carpet bedding; grows about 6 to 12 inches high; bright yellow foliage. Usually grown as annuals, although perennials.  
**Aureum (Golden Feather)**—Foliage finely cut and fringed..... 5  
**Seleginoides**—Fine cut fern-like golden yellow foliage; 6 inches..... 10



Fringed Primula.

## Poppies.

Showy and ornamental plants with large flowers of brilliant colors. Very attractive in large beds, clumps and mixed borders. Of easy culture, succeeding in any garden soil; flowers in great profusion all summer if sown in early spring. Show where they are to remain, as they do not bear transplanting; 2 feet high; hardy annual.

**TULIP POPPIES**—Large and splendid flowers of the most dazzling scarlet imaginable. The two outer petals resemble a saucer in which are set two erect petals of the same color. The color is of such richness as to fairly dazzle the eye..... 5

**FAIRY BLUSH**—Immense globular flowers, perfectly double, 4 to 5 inches across; elegantly fringed, pure white with rose tipped petals..... 5

**SHIRLEY POPPIES**—A new strain of marvelous beauty. Colors range through shades of delicate rose, pink, carmine and brilliant crimson. Many flowers are edged with white, and the petals have a glossy, silk-like texture. **Single Mixed**..... 5

**SHIRLEY, DOUBLE**—This is a rich mixture of double and semi-double flowers, and makes a very attractive and beautiful bed. **Finest Mixed**..... 5

**SNOWDRIFF**—Pure snow-white; extremely double flowers of perfect form; large size..... 5

**BRIGHT YELLOW**—A rare new color..... 5

**ORIENTAL**—Of the darkest red; beautiful; one of the showiest of hardy Perennial Poppies; specimen flowers have been grown to measure nine inches..... 5

**ORIENTAL HYBRIDS, Mixed**—Flowers of immense size, six inches and over in diameter. Many novel colors, such as soft pink, cherry, dazzling scarlet, rich maroon, purple, etc.; culture simple; perfectly hardy perennials. **Finest mixed**..... 10

**MIKADO, Striped Japan**—Very distinct in color and character. Large, double pure white flowers, at the back elegant curled petals edged with scarlet..... 5

**WHITE SWAN**—Immense double flowers of purest white, beautifully fringed..... 5

**THE BRIDE**—Single fringed extra large spotless white flowers; makes a showy bed..... 5

**CARNATION-FLOWERED**—Double. Flowers unequalled for dazzling richness and variety of color..... 5  
**25c. 5**  
**PEONY-FLOWERED**—Large, showy double..... 5  
**Mixed, 20c.**  
**GOLDEN GATE**—Fine mixture of singles, doubles and semi-doubles with no end to the colors..... 5



The Shirley Poppy.

**ICELAND POPPIES**—The fragrant elegant flowers are produced in succession from early in June to October. Flowers will last a week cut as soon as open. Rose, white, scarlet and gold in **Fine Mixture**. Will surely please..... 5  
**LIVINGSTON'S MIXTURE**..... 5  
Oz., 40c.; ½ oz., 25c. 5

Any Seven 5-Cent Packets of Poppies for 25 Cents.

Livingston's

## Sweet Peas

A Supurb Col-  
lection includ-  
ing Best Up-to-  
Date Kinds.

PRICE.

Postpaid, any  
variety on  
this page—

Pkt., 5c.;

oz., 10c.;

¼ lb., 25c.;

lb., 75c.

Any 6 pkts.

20c.; any

13 pkts.

40c.

Some of the  
Best New  
and Most  
Reliable  
Sweet Peas.

America—Bright blood-red, striped white.

Apple Blossom—Rosy pink, with bluish wings.

Aurora—Orange salmon, flaked and striped  
white, extra large.

Black Knight—Very dark maroon.

Blanche Burpee—Large, pure white; fine form.

Blanche Ferry—The popular pink and white,  
very free flowering.Blanche Ferry, Extra Early—Same color as  
preceding, but flowers 10 days earlier.Blushing Beauty—Medium early; rich deep  
blush pink; large hooded form; very fine.  
(ROYAL ROBE.)Boracation—One of the darkest and richest col-  
ored; satin-like maroon.Brilliant—A new brilliant scarlet flower of excel-  
lent substance.Butterfly—White, edged and shaded with blue;  
a very acceptable variety, and one of the best  
we have ever grown.

Capt. of the Blues—Grand, bright purple-blue.

Captivation—Rosy purple, a distinct shade.

Celestial—Delicate lavender.

Coquette—Primrose, tinged blush and lilac.

Countess of Radnor, Improved—(New Countess).  
Beautiful pale lavender; a decided favorite.Crown Jewel—Creamy white, tinted and veined  
violet rose.Duke of Clarence—Bright rosy claret; a fine  
dark sort.Daybreak—Watered crimson scarlet on a white  
ground; a free bloomer; vigorous, upright  
grower; good stems.Earliest of All—A distinct new strain of Blanche  
Ferry; more dwarf and 10 days earlier. The  
"record breaker" for early flowering, and one of  
great merit. Stems long and stout; flowers  
large; standards a bright, rich pink, and  
wings nearly pure white.Eliza Eckford—White shaded and edged light  
pink; large and fine.

Emily Eckford—Bright shade of heliotrope.

Emily Henderson—Purest white; fine bold flow-  
ers on good stems; early.Firefly—Intense-crimson scarlet; large flowers;  
one of the best.Gorgeous—Most gorgeous color of all, deep,  
rich orange-salmon; bears flowers of immense  
size, at the end of long stout stems.Gray Friar—Large blossoms of excellent form,  
beautiful watered-purple on white ground,  
giving a gray effect; makes attractive bouquets.Her Majesty—Beautiful bright rose, with large  
full flowers.

Juanita—White ground, delicately lined lavender.

Katherine Tracy—A soft, brilliant carmine  
pink; vigorous grower; a large expanded  
flower of good substance.Lady Penzance—Delicate rose; wings pure pink,  
an early and free bloomer.

Lottie Eckford—White shaded and edged lavender.

Lovely—Soft shell-pink, an exquisite color.

Maid of Honor—Flowers light blue, on a white  
ground; bold edge of deep lavender; showy.

Mars—Brilliant deep scarlet.

Modesty—Delicate soft pink; large and perfect  
flowers.

Monarch—Purplish maroon or bronzy crimson.

Mrs. Eckford—Pale primrose yellow, extra fine  
flowers and form.Mrs. Jos. Chamberlain—Rosy pink; finely  
striped white.Mrs. Sankey—(Black Seed)—Pure white; fine,  
bold flowers.Mrs. Gladstone—Early to medium early; soft  
flesh pink, of good size. One of the best of  
its type.Othello—Beautiful deep glossy chocolate red  
flowers very large, of hooded form; termed  
the very best dark Sweet Pea to date.Oddity—Large flower of peculiar curled habit;  
pale carmine with a bright rose edge; a great  
bloomer.Prima Donna—Beautiful light blush pink  
grand flower.Pink Friar—Very beautiful; spatter work  
delicate crimson rose on a white ground; flow-  
ers one-third larger than the famous large  
Gray Friar; a most beautiful shaded variety.Primrose—Pale primrose; profuse bloomer; su-  
perior variety.Ramona—White splashed and flaked pale pink.  
Red Riding Hood—Oddest of all Sweet Peas, very  
attractive and a remarkable departure in  
form. The standard is drawn down into a  
snug hood; in color a pretty bright rose; fra-  
grant; a free bloomer.Royal Rose—Deep rosy pink, wings lighter; one  
of the largest.Salopian—Deep scarlet or cardinal; the best red  
of fine grandiflora form; stands the hot sun  
best of all the deep crimson-scarlets.

Senator—Chocolate, striped white.

Shahzada—Deep maroon; wings indigo; a very  
dark variety.

Stanley—Rich dark maroon; quite early.

Stella Morse—Primrose, tinged blush, effect a  
rich cream variety.Saddle Burpee—Hardest of all whites; flower-ex-  
tra large, yet dainty and beautiful in form;  
color purest pearly white.Wawa—Beautiful heliotrope, distinctly strip-  
ed with white; flowers of large size and fine  
form, are borne most profusely upon long,  
heavy stems.

In rearranging our Sweet Pea List this season, after making thorough tests on our extensive trial grounds, and consulting the opinions of well-known Sweet Pea Specialists we have discarded some older varieties, inserting such of the new sorts and recent introductions as are worthy of our commendation, retaining only the best for general cultivation.

The following varieties are the Cream of the List and have been selected with a view to please the most critical grower.

**How to Grow.** Plant early in rows running North and South is best. Work fine soil in the bottom of trench plenty of well rotted manure, fill 8 inches of trench with fine soil and sow the peas, covering one inch deep, (if sown about April 1st in two rows 10 inches apart and seeds 2 inches apart in rows, if planted later, cover deeper. When well up in with earth gradually as they grow until the trenches are full. The object is to get the roots well down so that they may resist drought. Give plenty of water, pick the blooms without stint and do not allow pods to form as the plants will cease to bloom. Use brush or trellis 5 or 6 feet high. For full instructions how to grow sweet peas successfully send for our "SWEET PEAS AND HOW TO GROW THEM."

Write expressly for our customers by a successful grower. This booklet is SENT FREE on request to our Sweet Pea customers. To all others 10 cents.

W. H. BARNARD, Polk County, Iowa. "Our Sweet Peas were the envy of the neighborhood; they lasted until the frost took them."





## Dwarf Cupid Sweet Peas.

These little beauties grow only 6 to 8 inches high, and excite wonder wherever seen; very fragrant; bear full-sized flowers of fine substance, 2 to 3 to the stem; profuse bloomers; excellent for beds, borders and pot-culture; flowers early and continue in bloom very late;

**PINK CUPID**—Standards—Bright rose-pink; wings pure white. Pkt., 5c; oz., 10c.

**WHITE CUPID**—Flowers pure white. Pkt., 5c; oz., 10c.

**BEAUTY CUPID**—Flower standards delicate rose color, with wings of rosy carmine; a fine grower; very free bloomer. Pkt., 5c; oz., 10c.

**MIXED CUPIDS**—Several sorts. Pkt., 5c; oz., 10c; 4 ozs., 30c.

## New Double Sweet Peas.

Not thoroughly established, as only about 30 percent of the flowers come double. Worthy of a trial, but we make this explanation that patrons may not be misled. Mixed—Pkt., 5c; oz., 10c; 4 lb., 25c; lb., 85c.

## Hardy Sweet Peas.

**Perennial or Everlasting**—(*Lathyrus Latifolius*)—perennial climbers suitable for trellises, arbors, etc. They die down every year and start again in the spring. Hardy perennial; 5 to 6 feet.

**WHITE**—Packet, 5c. **MIXED**—Packet, 5c. **SPLENDENS**—Pride of California—Brilliant rosy-pink. Pkt. 10c.

## SWEET PEA MIXTURES AND COLLECTIONS.

**Earliest of All**

See opposite page.

Best Early we ever grew.

## NAVY BLUE

### The New "Navy Blue" Sweet Pea.

The only "TRUE BLUE" Sweet Pea. An entirely distinct color (not) from any existing variety and of unusually rich beauty. General color effect dark blue; standards royal purple; wings pure violet; the whole flower elegantly veined in sharp relief. A most vigorous grower. Blooms of approved form, generous size, parchment-like texture, and remarkable substance. Stems usually bear 3 flowers, occasionally 4. "True Blue" Stock—Pkt., 5c; oz., 10c; 4 lb., 30c; lb., \$1.00.

## LIVINGSTON'S BON TON 6

ONE PACKET EACH of the following distinct colors: Blue, Red, Gray, White, Pink and Variegated.

A Mixed Packet of the 6 kinds for 10c., or an Ounce for 20c., postpaid.



### "OLD GLORY" MIXTURE.

Three best up-to-date varieties of RED, WHITE and BLUE Sweet Peas mixed in equal proportions. Pkt., 5c; oz., 10c; 4 lb., 30c; lb., 90c.

Six of the Sweetest and Biggest Flowered Sweet Peas in Cultivation.

FOR ONLY 20c.

## Livingston's Special Mixture.

new novelties. No Mixture Surpasses it in size or richness of flower and fragrance. Large Packet, 10c; oz., 15c; 4 lb., 25c; lb., \$1.00.

**HARLEM SPRINGS, OHIO, Oct. 1900.**—The pound of Sweet Peas—Livingston's Special Mixture—sent me last spring gave most excellent results. The quality and quantity of bloom was astonishing. The Mixture, for wide range of color, richness of flower, surpassed any mixture we ever tried, and were the admiration of neighbors, far and near. For once we had Sweet Peas enough, besides baskets full to give away. All unite in pronouncing LIVINGSTON'S MIXTURE THE FINEST.—Mrs. H. S.

**Eckford's "Gilt Edge" Mixture.** Of undoubted superiority. Mr. Eckford is the famous Sweet Pea Specialist of England. Pkt. 5c; oz. 10c; 4 lb. 25c; lb. 75c.

**Five Mixed.** All sorts and colors. A fine mixture for the low price. Pkt., 5c; oz., 10c; 4 lb., 20c; lb., 45c.

**COLLECTION OF TEN VARIETIES, Our Selection, for 30 cts.**

## Phlox Drummondii.

The Phlox Drummondii, for splendid mass of colors and a constant display, is not excelled by any other annual or perennial. It has every desirable quality for this purpose. The colors range from the purest white to the deepest blood-purple or crimson. Seed may be sown in the open ground in May, or in hot-bed or cold frame earlier, and in either case (from June) during the summer and autumn, they make a most brilliant bed of showy, yet delicate flowers, blooming continually until frost. A good ribbon bed of the Phlox is a most dazzling sight, and there is nothing so cheap. In good rich soil it will grow 18 inches high. Set plants on feet apart. Easily transplanted. **PHLOX DRUMMONDII—Many Choice Varieties** Mixed—Pkt., 5c; 4 oz., 15c; 1/2 oz., 25c; oz., 40c.

**Large Flowering Phlox** (*Grandiflora*)—A decided improvement on the Drummondii. The flowers are perfectly round, almost double the size, and the colors are most brilliant. **Scarlet**—Pkt., 5c. **Scarlet Striped**—A BEAUTY... Pkt., 5c. **Blood Red**—Darkest of all... Pkt., 5c. **Carmine**—White eye... Pkt., 5c. **Crimson**—Very bright, effective... Pkt., 5c. **Rosea**—Pink, with white eye... Pkt., 5c. **PURE WHITE**—Beautiful; fine for cutting; extra large—Pkt., 5c; 1/2 oz., 20c; 1/2 oz., 35c; oz., 60c.

**SPLENDENS**—Vivid crimson, with a pure white star-center—Pkt., 5c. **Large Flowering** (*Grandiflora*)—OUR SPECIAL MIXTURE—In richest colors—Pkt., 5c; 1/2 oz., 20c; 1/2 oz., 35c; oz., 60c.

**Star-Shaped Phlox** (*STAR OF QUELDENBERG*)—(Fringed Phlox)—The flowers have a regular star-like form; plant of dwarf, compact habit and bears large umbels of flowers. As easily grown as common Phlox, and flower Extra Fine Mixed, comprising many varieties. Pkt., 5c; 1/2 oz., 20c; oz., 50c.

**New Dwarf Phlox** This new strain is of dwarf, compact habit and well adapted for pot culture; also for ribbon lines and massing; 6 to 8 inches high. A desirable market plant. **Finest Mixed Colors**—Pkt., 5c. **Snowball**—Excellent—Pkt., 5c. **Fireball**—Extra fine—Pkt., 5c.

**Double Phlox** Of late years several semi-double flowering Phloxes have been introduced, the value of which, as cut flowers, has been recognized by those who have tried them. (Note—In order to produce the best double flowers they should be grown in a light, sandy soil. **Double White, Scarlet and Yellow**—60 to 70 percent double. Each, pkt., 5c. **Double, Mixed Colors**—Pkt., 5c.

**ANY SEVEN 5-CENT PACKETS OF PHLOX FOR 25 CTS.**

## Hardy Phlox.

They are perfectly hardy and need no protection in winter; will flourish in any soil, succeeding better, however, in deep, rich, moist ground. Bush 2 to 3 feet high, and have immense heads of waxy flowers; large; beautiful. **Many Lovely Shades Mixed**—Pkt., 10c.



Phlox, Large-Flowering Grandiflora.

## A California Giant.



**NEW STEEL BLUE**—Beautiful variety; lovely steel blue flowers shaped like *Clematis Jackmanii*; perfectly distinct ..... 15

## Livingston's Superb Petunias.

No flower surpasses, if indeed equals, the Petunia for massing in beds. Their richness of color, duration of bloom and easy culture will always render them welcome and popular. They will do well sown in open border in spring, or earlier in a cold frame or hot-bed, and transplanted 4 or 5 inches apart. By the latter process they will come into bloom much earlier, though they will do perfectly well sown in the open ground. Be careful not to cover the small seeds too deeply. It is well known that seed of Double varieties do not produce double flowers. Be careful to save the weaker seedlings as they usually give the finest double flowers.

- Alba**—Pure white flowers; no annual more suitable or satisfactory for cemetery bedding..... 5  
**Dwarf Inimitable**—Forms a compact little plant, 5 to 8 inches high, covered with beautiful cherry-red flowers white center, suitable for edging or massing..... 10  
**Snowball**—Forms compact bushes about 8 inches high; produces pure satiny-white flowers in profusion all summer; splendid for pots or bedding..... 10  
**Blotched and Striped**—Flowers with star-shaped blotches; fine form; effective; fine for bedding and window boxes..... 5  
**Extra Fine Hybrid**—Superb strain; very rich mixture..... 10  
**Fine Mixture**, in many colors..... 5

## LARGE FLOWERING—FANCY HYBRIDS.

- Single Large Flowering**—In choice mixture..... 10  
**Double Large Flowering**, all sorts—A superb mixture..... 25  
**Single Fringed Large Flowering**—Extra fine mixed..... 20  
**Double Fringed Large Flowering**—Very choice fringed..... 25

## GIANTS OF CALIFORNIA PETUNIAS.

The flowers are exquisitely ruffled and fringed and of enormous size, often measuring five inches across, but their great merit lies in the innumerable blotchings and stripings; some of the colors are rich and gorgeous, and others of lovely delicate shades.

**Splendid Mixed, Choicest Varieties**..... 15

**RUFFLED GIANTS**—Flowers of extra size and substance, with very deep throat, deeply fringed and fluted; the wide range of colors unsurpassed by any other. **A Superb Mixture**..... 25

## ROSES.

FROM SEED FIRST YEAR.

**Dwarf Polyantha**, or "Fairy"—These beautiful little roses are very double ( seldom single ) borne in many-flower clusters and contain all the tints of cultivated Roses. They grow only about one foot high and commence blooming in a few weeks after the seed is sown, and continue to bloom the entire season. They are perfectly hardy and bloom year after year in profusion from May until frost. These little beauties are sometimes called **Midget** or **Baby Roses**..... 10



**Ricinus.** (Castor Oil Plant.) Stately, strong growing plants with very ornamental foliage, particularly adapted as center plants of groups of *Canna*, *Caladium*, *Dahlia*, etc.; also fine for lawns, massing, etc. Annuals of very quick growth.

- Zanzibarensis**—A new and distinct class which surpasses in size and beauty all the varieties hitherto known. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. We have grown them with leaves 3 to 4 feet across. Our mixture of four sorts have light and dark green leaves and some of coppery-bronze changing to dark green, with reddish ribs..... 5  
**Cambogensis**—New. Large palm-like leaves of a bronzy-red maroon; stalks and stems nearly black. The foliage shows different shades as they grow, and a striking effect is obtained..... 5  
**Borbonensis**—Showy beautiful green foliage; 15 feet..... 5  
**Gibsoni**—Thick branching, rich red foliage; 5 feet..... 5  
**PHILLIPIENSIS**—A grand new variety from Uncle Sam's new Islands; foliage large and beautiful; 10 feet..... 5  
**Mixed**, many of the very best varieties..... 5

**RODANTHE.** One of the best everlasting flowers and a charming annual; especially desirable as an ornamental bedding plant in summer and for pot culture in winter. They remain in bloom a long time. For winter bouquets the flowers should be cut before fully expanded, and, if dried in the shade, will retain their brilliancy for years. Seeds should be started and the plants transplanted to a warm situation one foot apart. 1 foot high. **Many Choice Colors Mixed**..... 5

**STEVIA.** *Serrata*. Very pretty white, fragrant flowers; furnish excellent material for bouquets; suitable for winter or summer blooming. A tender perennial, but if sown early will bloom outside first season..... 5

## SALPIGLOSSIS. (Velvet Flower)

or **Painted Tube Tongue**. Showy bedding or border plants, with richly colored, erect, funnel-shaped flowers. Colors beautifully marbled and pencilled purple, scarlet, crimson, yellow, blue and black. Plant in warm, rich soil; very fine annual. **Grandiflora**—New; large-flowering; extra fine. **Mixed colors**..... 5



Salpiglossis.

## SCHIZANTHUS. (Butterfly Flower.)

Showy plants for outdoor decoration. Easily cultivated; pretty bright colored flowers, useful for bouquets. Half hardy annual; 2 to 3 feet high. **Best Varieties mixed**..... 5

**SMILAX.** Charming tender perennial climber for house culture. It forms "strings" six feet long, which are extensively used for decorating, and is grown in immense quantities by American florists. Foliage and stems a pleasing light green; very graceful; delicate; remains fresh several days after being cut..... 5

## Stocks. German Ten Weeks (Gillyflower.)

Stocks have for many years been a general favorite, but of late years the Germans have grown them in such perfection that they are considered most indispensable. In brilliancy of color and general effect they are unsurpassed. Equally fine for bedding, borders, massing or for pot culture. For early flowering sow in the house in February or March; plant in open ground in May.

## Large-Flowering Dwarf Ten Weeks

**Pure white**..... 10  
**Double Large-Flowering Dwarf**—Multicolored spikes of very large double flowers; all colors. **Mixed**..... 5  
**Dwarf German Ten Weeks**—Large-flowering. **Fine Mixed**..... 5

## SNOWFLAKE—Dwarf Ten Weeks

A beautiful variety, and one of the earliest of all Ten-Weeks Stocks, and admirably adapted for forcing; the snow-white flowers are uncommonly large and very double..... 10  
**Blood Red**—Very fine new double; blooms all summer..... 10

**Large-Flowering Stocks.** **GIANT PERFECTION STOCKS**—Produce plants 2 feet high with long flower spikes of beautiful double flowers. **Emperor**, or **Brompton**—These make very bushy and branching plants, with an abundance of large flowers. Sow in July or August. Last several years when protected; 2 feet. **Mixed Colors**..... 10



**SWEET WILLIAM.**

(Dianthus Barbatus.)

A very beautiful class of easily grown and very hardy plants of extreme richness and diversity of color; deliciously sweet scented. They have been greatly improved of late years and nothing surpasses this old rugged favorite for clumps or borders. Hardy perennials, about one foot.

Double White . . . 5

Double Crimson . . . 5

Fine Mixed Single . . . 5

All colors . . . 5

Oz 40c..... 5

Double Flowering . . . 5

Mixed; splendid collection . . . 5

Giant Double . . . 5

An improvement over the old favorites in size and colors of flowers and trusses, many of the individual flowers are over an inch in diameter. Extra Choice mixture.....10



Sweet Williams.

**SCABOSIA.** (Morning Bride.) A useful and ornamental plant with rich and beautifully colored flowers; effective for beds or borders; excellent for cutting. This old and well-known annual is not as generally cultivated as it deserves.

Fiery Red—New, deep, fiery scarlet; a very striking, beautiful color... 5

Black Prince—New, very large double, almost black... 5

Snowball—Elegant double white flowers; charming for bouquets... 5

Double Yellow—A very fine golden yellow color... 5

Large Flowered Double—New semi-dwarf, compact and upright, long, stiff stems and large, round, perfect double flowers of remarkable colors. Splendid Mixture..... 5

**CAUCASICA.** One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water, and are a charming shade of soft lilac blue. Does well in ordinary garden soil and should be grown by everybody..... 10

New Double White Caucasica, Extra Fine..... 10

**SALVIA.** Very ornamental plants, flowering in spikes, and continues to bloom in open ground until frost, when the plants can be removed to the greenhouse and will continue to bloom a long time. Plants may be started in a hotbed and transplanted to light, rich soil, about one foot apart. Tender perennial.

Coccinea Lactea—Pure white; fine, two feet..... 10

Patens—Brightest and bluest of all flowers; beautiful..... 15

Splendens—Scarlet Sage—Gorgeous plants, with spikes of intensely vivid scarlet flowers; the spikes are numerous and 10 to 12 inches in length. Continue to flower profusely all summer and until killed by late frosts. Of the easiest growth and should be in every garden..... 10

Bonfire—Clea Bedder—One of the finest Salvias ever introduced for bedding. The plants form handsome globular bushes about 2 feet high by 2 feet in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are of a most brilliant, dazzling scarlet..... 10



Sensitive Plant.

**SENSITIVE PLANT.**

A curious and pretty annual plant; the leaves and foot stalks close and droop at the slightest touch, or in cloudy, damp weather, and during night easily grown seed may be started under glass and transplanted to the open ground when the weather is warm. A plant or two reserved for the house will afford much amusement during winter..... 5

**SWEET SULTAN.**

(Centauria Moschata.)

A sweet scented, profuse flowering, showy plant of easy culture, and very effective in shrubbery. Hardy annual.

Mixed Colors..... 5

**TORENIA.**

Beautiful plants for vases, for hanging baskets, etc.; in open ground flowers are produced in great abundance, the plants being covered with one mass of bloom until frost, and also in winter in the greenhouse.

Fourieri Compacta—Lovely, velvety blue flowers, with three large spots of darkest blue and a bright yellow throat..... 10

White Wings—Pure white with rose throat..... 10

Bellor—Deep yellow..... 10

The Bride—New; grand. Giant flowers, white with pink; beautiful. 20

**THUNBERGIA.** Rapid growing annual climber with pretty buff, white and orange flowers of various shades, with a dark center, or eye. Finely adapted for vases, hanging baskets, and for trailing over fences, trellises, etc.; does well indoors or out; profuse bloomer with handsome foliage.

Fine mixed..... ½ oz., 25c.; oz., 40c. 5

**VERBENA.**

No plant is more generally cultivated than the verberna, and no plant excels it for masses in beds on the lawn. Flowers perfectly well from seed sown in the spring (if sown in May will bloom in August). If started in the house in pots or shallow boxes in winter they will bloom sooner. Transplant as soon as plants are two inches high, two feet apart each way. Seedlings are stronger and more vigorous than plants from cuttings, and are usually fragrant, especially light colors.

Defiance—True—Brightest and richest of all scarlet verbenas..... 10

Blue Varieties—Showy and distinct..... 10

Striped Varieties—Beautiful..... 10

Pure White—Large trusses of purest white flowers..... 10

Hiveni—White; sweet scented..... 5

Cloth of Gold—A very effective, clear golden yellow foliage bedder; its deep crimson flowers form a striking contrast..... 10

Lemon Verbena—(Citrodora)—Sweet, lemon-scented foliage..... 10

New Mammoth—Large Flowered—A superb and distinct class with flowers of immense size. Seed saved from very best flowers..... 10

Hybrida—Choicest mixed—Saved from the most beautiful named flowers; gives highest satisfaction..... 10

Fine mixed..... 5

**NEW DWARF VERBENAS.**

Of erect, dwarf and compact habit, forming a neat bush about five inches high and 18 inches across. Colors are: white, scarlet and violet. White or Scarlet..... 10

Extra mixed..... 10

**VIOLTA.** (Viola Odorata)—The

viola should not be wanting in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. Succeeds best in a shady, sheltered place and can be easily increased by dividing the roots. Extensively used by florists for cut flowers. Hardy perennial. Six inches.

Double Violas—Do not seed. Plants offered in the Plant Dept.

Blue Sweet Violet—The old sort..... 10

The Car—The largest flowering and richest colored deep blue sweet violet in cultivation..... 10

Single Mixed—Blue and white..... 10

**VINCA.** (Periwinkle.) Free-flow-

ing bushy plants, with glossy green foliage and beautiful circular flowers; in a warm, sunny situation they bloom all summer; they make beautiful winter-flowering pot plants if potted before frost; tender perennial, but flowers the first season; two feet.

Alba—Pure white..... 5

Rosea—Bright rose; very fine..... 5

Rosea Alba—White with rose eye..... 5

Mixed Varieties—All colors..... 5

**VALERIANA.** (Hardy Garden Heliotrope.)

Showy border plants, or for mixing with shrubbery; grows in any garden soil; does well in the shade; produces large crops of flowers; hardy perennial that blooms first season from seed. Fine for bouquets. Mixed—Bright rose, red and white flowers..... 5

**VISCARIA.** Handsome, showy annuals when massed. Its large

round flowers are white, red, blue, pink, margined with various colors; about one foot high. All Colors Mixed..... 5



Yucca.



Whitlavia.



Double Wallflower.



Large Double Zinnias.



Double Lilliput Zinnias.



Xeranthemum.

Much prized for bouquets. Half-hardy perennials. Flowers first season from seed.

- Single Early Large Flowering ..... 5  
Finest Double Large Flowering—Mixed—All colors ..... 10

**XERANTHEMUM.** (Everlasting Flowers.) Very desirable, free flowering and of the easiest cultivation. The leaves are covered with silvery down, and the flowers are pure white, deep purple and yellow; an easy grown hardy annual. Two feet.

- Double Mixed—All Colors ..... 5

**WHITLAVIA.** The Whitlavia is a good plant for baskets, vases or pots. A pretty plant with delicate, handsome foliage, producing a constant succession of bright blue, pure white and violet, large, bell-shaped flowers in drooping clusters. Sow seed in open border early in the spring. Hardy annual, one foot high.

- Fine Mixed ..... 5

### WALLFLOWER.

Well known, deliciously fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; they should be protected in a cold frame in winter and planted out in May; winter and perennial. Flowers first

**YUCCA.** ("Adam's Needle.") Erect and noble plants, having long, narrow, sharp-pointed leaves, with a peculiar tropical aspect. Is a hardy perennial and grows in any soil, and will endure the winter in most parts of the country. Bears a large spike of white, very large, tulip-shaped flowers. 3 to 4 feet.

**ZINNIAS.** One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form, moderate sized dahlias.

**Striped or Zebra**—A very pretty strain, with striped flowers. Colors vary on each plant; present a curious and beautiful appearance.

**Curled and Crested**—A new strain, with large double flowers of perfect form; the petals are twisted, curled and crested into the most fantastic and graceful forms. A magnificent variety of colors and lovely shades.

**Double Snowball**—Double, pure white, dwarf and compact.

**Dwarf Fireball**—Double fiery scarlet.

**Golden Yellow**—Flowers large, perfect in shape, clear golden-yellow.

**Giant Flowering**—Grows a handsome bush 3 feet in height, and the mammoth, perfectly formed double flowers measure 5 to 6 inches across and are of intense and brilliant colors; mixed.

**Queen Victoria**—A new giant white variety, of vigorous growth, with very double pure white flowers, 4 inches in diameter.

**Double Haagenaa**—Of decided merit; close and vigorous in habit, nearly covered with pretty golden-yellow double flowers; fine, indeed, for cutting.

**Double Lilliput**—Bush covered with flowers of fine form, borne on long, stiff stems; valuable for bouquets.

**Double Dwarf, Mixed**—Compact bushes, not over 12 inches high.

**Double Pompon**—Charming, long and very double flowers; mixed.

**Double Large Flowering**—Mixture of many colors; fine strain; cone-shaped.

**Mexican Hybrid Zinnias**—New, very pretty; bound to please.

## Special Mixtures of Flower Seeds.

Much pleasure is derived from watching the growth of a mixed bed of flowers. The mixtures are made from choice fresh seeds and cannot fail to give satisfaction. The packages are liberal in size, and in no other way can so many seeds be obtained for so little money.

**Fragrant Annuals.** A mixture made from seeds of fragrant flowers, giving rich perfume throughout the day and evening; some are suitable for cutting. Packet, 10c.

**Mixture of Climbers.** A packet of seeds containing over twenty beautiful annual climbers, for covering outhouses, trellises, etc. Packet, 10c.

**Flowers for Bouquets.** This mixture contains seeds producing flowers suitable for cutting for vases and bouquets, nearly all having long stems, and will furnish a constant supply of cut flowers throughout the entire season. Packet, 10c.

**Mixed Everlastings.** A great variety of attractive Everlastings. Packet, 10c.

ANY THREE MIXTURE PACKETS FOR 25 CENTS.

## Ornamental Grasses.

Very beautiful and attractive for mixed flower beds and borders during summer, and extensively used in the arrangement of winter bouquets and in other house decorations. Should be cut while fresh and green and hung in a dry and airy place in the shade. Finally grown in any soil.

**PENNISETUM** (*Blue Pelicanum*)—Has very beautiful and graceful spikes of purple; a very fine decorative plant. Packet, 6c.

**ZEAL** (*Japan Maize*) **Quadriflor**—Leaves beautifully striped silvery white, rose and green; very fine. Packet, 6c.; 3 packets for 10c.

**Best Mixture, many Dwarf and Half Dwarf Annual Sorts**—Large packet, 10c.; half packet, 5c.

**Best Mixture, many Tall Annual Sorts**—Large packet, 10c.; half packet, 5c.



Basket of Ornamental Grasses.





Apronful from the "Children's Garden."

## Wild Flower Garden. or Children's Garden.

FULL OF DAILY SURPRISES AND ONE WHO  
HAS NEVER SEEN SUCH A GARDEN  
CANNOT FORM ANY IDEA OF  
ITS POSSIBILITIES.

Each packet contains a great variety of pretty flowers of easy growth. The mixture will be found to be both interesting and useful. Interesting, because new flowers open daily, "you know not what a day may bring forth." It will be found very useful, for here you may get your bouquets without fear or favor, whenever you choose, and thereby save those in beds or borders; also especially adapted for producing a display on large borders, or sowing along woodland walks, for hiding an unsightly fence, stump, etc., and will convert any dreary spot into a wilderness of bloom and fragrance.



Bouquet from the "Wild Garden."

Nothing, in the way of flowers, delights children more than this "Wild Garden," chiefly because they can be allowed to pick their own bouquets without stint. KEEP OUT THE WEEDS AND THE PLANTS WILL DO THE REST.

OUR EXTRA CHOICE MIXTURE contains many kinds and colors of splendid easily grown flowers, and has become very popular wherever known.

Large packet, 10c.; ounce, 25c.;  $\frac{1}{4}$  pound, 75c.

# 50 cts. Bargain Collection of Flower Seeds. 50 cts.

Consists of one full-sized packet each of the following of 50 cents. At regular prices would cost \$1.25.

ASTERS—Double Perfection, Mixed. Perfect type; flowers very large, rich, brilliant. BACHELOR'S BUTTONS—A Choice Mixture of best colors and kinds. BALSAMS—Double Camellia Flowered, mixed. Splendid mixture of best known sorts. CANNAS, Mixed. New French Hybrids. Remarkable for beauty of flowers and foliage. DIANTHUS—Mixed Colors. Beautiful double flowers; many shades and markings. GAILLARDIAS—One of the best annuals for cut flowers. Mixed. LARESPUR—Tall Flowered Branching; long spikes; double; brightest, best colored flowers.

## A GREAT OFFER.

MORNING GLORIES. A Splendid Mixture of these lovely climbers. MIGNONETTE—Golden Machette. Golden yellow flowers, deliciously fragrant. Large spikes. NASTURTIUM—Lobbs Climbing. Beautiful and luxuriant climber and of easy culture. 8 to 10 feet. PETUNIA—Blotched and Striped. Mixed with other superb kinds, including large flowering. PHLOX DRUMMONDII—Large Flowering. A rich and brilliant variety of colors, not excellent for massing or constant display.

most effective annuals, sent free by mail on receipt of 50 cents. Varieties and mixtures are choice, including best succession of flowers from early summer until frost.

PANSY—Large Flowering. A very fine mixture of many choice kinds and colors. POPPIES—Livingston's Mixture of many excellent kinds and colors. Sure to please. SWEET PEAS—Eckford's Gilt-Edged Mixture. A very superior and deservedly popular mixture. VERBENA—Hybrida Choicest Mixed. Showy distinct and beautiful. Many colors. ZINNIA—Double Large Flowering. A mixture of many colored and fine cone-shaped flowers.

# LIVINGSTON'S 25 Cent Bargains in Flower Seeds 25 Cents

For Only 25 Cents We send, postpaid, any one of the following Collections.

For 50 cts. you can select two Collections, and, in addition, one packet of either the great new Sweet Pea, Navy Blue, or a packet of Daybreak Aster.

For 75 cts. we will send the THREE COLLECTIONS and a packet each of the new Sweet Pea, Navy Blue, and the Daybreak Aster.

## Our 25-Cent Bargain Collection of SELECT FLOWER SEEDS.

ASTER—New Large German Globe—White, with blood red center, a splendid large, globe-shaped flower; a beauty. CENTAURIA—Improved—"Bachelor's Button," with large, sweet-scented flowers; excellent for cut flowers, lasting several days. GAILLARDIA, Grandiflora—Splendid mixed; remarkable for size and brilliancy of flowers. MIGNONETTE—Bismarck—Its sweet-scented flowers are very large, reddish colored, with beautiful dark green crumpled foliage. MORNING GLORIES—New Japanese—No end to the variety of colors, from snow white to all possible shades of blue, red, palest pink, darkest reds and purples; streaked, mottled, striped and beautifully bordered; beautiful leaves of various shapes and colors; NASTURTIUM—Lilliput—Mixed; a grand new class of dwarf nasturtiums; many flowers of charming colors. PANSIES—Sweet-Scented—Has the delightful perfume of sweet violet; flowers of good size and substance, of many colors. SWEET PEAS—Dwarf Cupids—Mixed Varieties, white, pink, etc. A charming variety. Only grows 6 to 10 inches; makes a dwarf, compact plant, 10 to 15 inches wide. SUNFLOWER—Mixed. These new types are remarkable for beauty, and must not be confounded with the ordinary Sunflower.

## Our 25-Cent Collection of ..NASTURTIUMS..

VESUVIUS—Tall, brilliant, fiery red. MADAM GUNTHER'S HYBRIDS—Unequaled for richness and variety of colors; good climbers, free and constant bloomers. LOBB'S CLIMBING—Mixed. Superior for brilliancy and profusion of bloom; unexcelled as a summer climber; also good for indoor decoration in winter. NEW DWARF CHAMELION—Produces many different colored flowers on the same plant. The neat, compact bushes are covered with beautiful flowers; fine for edging and general garden decoration. CLOTH OF GOLD—Dwarf; beautiful golden foliage and deep scarlet flowers. KING THEODORE—Tall, deep crimson flowers; rare foliage; very striking.

Fred. O. Wise, Belmont Co., Ohio, writes: "I wish you could see my flower garden. It is the admiration of the neighborhood. Please accept thanks for extras sent."

## Livingston's 25-Cent Collection of SWEET PEAS.

Sweetest of all Sweet Flowers. NEW DWARF TOM THUMB—Mixed; many rich and beautiful colors; no annual more popular for bedding or massing. AURORA—A grand flower with expanded standards; beautiful flaked orange salmon. GRAY FRIAR—Beautiful watered purple on white ground; good grower, with long, strong flower stems. MAID OF HONOR—White, beautifully edged with lavender. PRIMA DONNA—A most lovely shade of soft pink. CAPTAIN OF THE BLUES—An extra fine blue. BRILLIANT—The new attractive, bright scarlet. ROYAL ROSE—Has extra large flowers, of deep rosy pink.

John Crego, Livingston Co., N. Y., writes: "I do not find any better seed than yours. They are rightly named—True Blue."

# Hardy Bedding Roses

The following selection of Hybrid Roses can be highly recommended for outdoor planting, perfectly hardy, but are benefited by slight protection of leaves or coarse litter during the winter.

**AMERICAN BEAUTY**—This rose has become as famous as the Marechal Niel. Buds large, full, double and exceedingly sweet; color rich rosy-crimson, exquisitely shaded. The flowers are very lasting after cutting, and command the highest price in the market.

**ANNA de DIESBACH**—Brilliant rose color, with long pointed buds and large perfectly formed blossoms; fragrant. Vigorous grower and persistent bloomer. One of the best in this class.

**BARONESS ROTHSCHILD**—A magnificent rose. Flowers extra large, full and globular; color rich silvery-white delicately tinged with pale blush.

**CLIO**—Delicate satin-blush, with light shading of rosy pink at center; free bloomer; strong, healthy grower.

**COQUETTE DES BLANCHES**—Best pure white hardy rose; fragrant.

**GENERAL JACQUEMINOT**—Bright crimson-scarlet; exceedingly rich and velvety; strong healthy grower and free bloomer.

**MABEL MORRISON**—Pure white; thick petals; very double. A beautiful rose.

**MRS. JOHN LAING**—Excellent for early blooming; satin-pink color; fragrant; vigorous grower, every shoot producing magnificent flowers. 15c; larger plants, 25c.

**PRINCE CAMILLE DE ROHAN**—Deep velvety crimson; large and fine; almost black.

**PAUL MEYRON**—Deep shining pink; extra large; of fine form.

**PRICE**—(Unless otherwise quoted)—Good Strong Mailing Size, 15c. each, 4 for 50c. Larger Plants, by Express, not paid, 20c. each, 6 for \$1.00. Extra Strong Two Year Old Plants, by Express, not paid 40c. each, 6 for \$2.00.

The Set of 10 Hardy Roses Mailing Size, for only \$1.25

**LIBERTY.** A New Hardy Ever-Blooming Rose. The color is magnificent rich fiery ruby with deep crimson tones in the depths of the flowers. Strong grower and free bloomer. Price, Young Plants, 50c. each, 5 for \$2.00, postpaid.



## Select Ever-Blooming Bedding Roses.

Teas and Hybrid Teas.

The selection includes many of the newer kinds, as well as standard sorts, and all are sold at **ONLY TEN CENTS EACH**. Though hardy in the South, Tea Roses, as a rule, require protection during winter in our Middle and Northern States. Those marked with \* are hardy or nearly so.

Price for any of the Roses in this collection, 10 cts. each, \$1.00 per dozen, postpaid.

\***Agrippina**—Rich dark velvety crimson; popular.

\***Bon Silence**—Deep rose, sometimes bright rosy crimson.

**Bridesmaid**—A sport from Catherine Mermet, but produces buds and flowers of a much deeper shade of pink; fine for forcing.

**Bride**—Best large white rose for cut flowers and general culture.

\***Champion of the World**—Bright coral pink; large and double.

\***Cornelia Cook**—Beautiful creamy white; buds immense size; double. Catherine Mermet—Clear rosy-pink; flowers large; one of the finest.

\***Etoile de Lyon**—Light golden-yellow, very sweet; large; fine form; best yellow for open air culture.

**Gen. Robt. E. Lee**—Orange-yellow, sometimes light yellow; quite a unique color.

\***Hermosa**—A great favorite; always in bloom; a most pleasing shade of pink; grand for bedding or pot culture.

\***Kaiserin Augusta Victoria**—A beautiful rose with elegant large buds; full, double flowers; color delicate creamy white; fine bedder.

\***Mad. Boute**—An excellent rose for garden planting; constant bloomer; soft canary-yellow.

\***Marie Guillot**—The best White Tea Rose for out door culture.

**Marion Dinglee**—Large cup-shaped flowers, of deep crimson, changing to carmine.

\***Mad. Caroline Testout**—A superb bedding variety; very free flowering. Color clear satin rose; vivid and brilliant.

\***Maman Cochet**—Tea Rose of earliest culture. Beautiful double pink buds.

**Maman Cochet White**—Identical with above except in color; fine for bedding.

**Marquis de Viviers**—Pale rose, slightly shaded with yellow in center; very beautiful.

\***Marie Van Boute**—Pale yellow; fragrant; very free blooming.

**Mrs. Robt. Garrett**—A glowing shell pink of pleasing shade; fine for garden planting.

\***Meteor**—A most beautiful rose; unsurpassed among Hybrid Teas for hardness and freedom of bloom; long-stemmed flowers of medium size; double; color intense glowing velvety-crimson.

\***Princess Bonnie**—Brilliant as a "Jack"; excellent in open ground; has a delicate refined scent.

**Perle Des Jardins**—Has no rival except Marechal Niel; rich canary-yellow.

\***Queen**—Large, pure white flowers; fine for bedding.

\***Queen's Scarlet**—Best red rose for bedding; hardy; flowers of large size; a fiery scarlet color.

**Souy, de Pres. Carnot**—An excellent new rose that has already become a great favorite; large size exquisite shape, with heavy, thick, shell-like petals; buds long and pointed; color delicate rosy-flesh, shaded a trifle deeper at the center.

**Snowflake**—(White Hermosa)—Dwarf habit; really wonderful in constant profusion of bloom. Exquisite pure white flowers of medium size.

Red, White,

Pink and Striped

## The La France Set.

A choice group of Hybrid Teas, widely known and celebrated everywhere for hardness, constant bloom and beautiful color of their fragrant flowers.

Each, 15c., or 50c. for the 4 La France, postpaid.

**La FRANCE**—This famous silvery-pink rose is universally popular. **RED La FRANCE**—(Dutchess of Albany)—Deep, rich rose-pink flowers. **WHITE La FRANCE**—Large, elegant, pearl-white flowers flushed with rose.

**STRIPED La FRANCE**—Shows odd clear stripes of both lovely pink and white tints.

**CLEM BELL, Holland, Kan., May 15, 1900:** "The Rose bushes arrived O. K. Am very much pleased with them."



## Four Rambler Roses.

PRICE:—Postpaid; good plants, from 2½-inch pots, 15c. each; 4 for 50c. *Stronger Plants*, 1 year old, each, 30c.; 4 for \$1.00.

**CRIMSON RAMBLER**—The plant is of very vigorous growth, making shoots 8 to 10 feet during the season; a charming pillar rose, magnificent in bush form, and for covering buildings, trellises, etc. It cannot be excelled. Its remarkable color is of the brightest crimson. Flowers produced in great pyramidal panicles or trusses, each carrying 30 to 40 blooms.

**PINK RAMBLER**—(*Euphrosyne*)—Similar to *Yellow Rambler*, except color, which is a clear shiny rose or pink. In hardiness, freedom of bloom, form and color of flowers and vigorous climbing habit it is fully equal to *Crimson Rambler*.

**WHITE RAMBLER**—(*Thalia*)—The numerous small double flowers are pure white; in other respects very similar to *Yellow Rambler*.

**YELLOW RAMBLER**—(*Aglaia*)—A very hardy *Yellow Climbing Rose*. The beautiful clear yellow flowers are borne in immense trusses, sometimes over 100 in a cluster. 15c.

## Four Hardy Climbing Roses.

The following varieties endure the most trying weather and make a grand mass of flowers. Postpaid, each, 15c.; 4 for 40c.

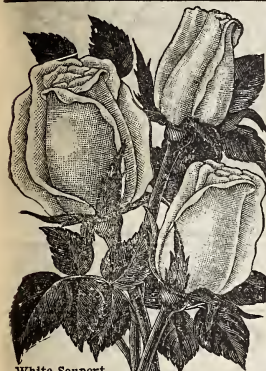
**BALTIMORE BELLE**—Pale bluish, shading to rose color; double flowers in large clusters.

**PRAIRIE QUEEN**—Extra fine; free bloomer; flowers extra large, bright rose, sometimes striped white. Extra fine; deservedly popular.

**RUSSELL'S COTTAGE**—Very double and full flowers of fine rich, dark crimson.

**MARY WASHINGTON**—A hardy, *perpetual blooming* climber, bearing large, double, fragrant white roses, usually in large clusters, in great abundance. A vigorous and rapid grower.

**New Rose.** "CLIMBING METEOR." This new rose might well be called *perpetual blooming* climbing *Jacquinot*, the color of which it strongly approaches, but is more vigorous, producing ten times the number of flowers on immense stems. For winter blooming it has few equals. 15c.; 4 for 50c.



White Souper.

**Helene.** A New Seedling from "Crimson Rambler." A rose novelty we can strongly recommend upon even its wonderful parent—"Crimson Rambler." Very robust growth, throwing up canes 10 to 15 feet high in single season. Foliage thick, leathery and glossy; flowers borne in large clusters in amazing profusion, and nearly double the size of *Crimson Rambler*; color a pure; soft velvet-rose, almost bluish; base of petals yellowish; buds are carmine, finely mossed, borne in clusters of 25 to 50. Each, 20c.; 3 for 50c.

## Hardy Memorial or Trailing Roses.

Price, each, 15 cents, or 3 for 40 cents.

The hardest of all roses; will stand any climate or exposure and thrive in the poorest soil. Foliage bright green. Flowers produced in great profusion, deliciously fragrant.

**WICHURIANA ROSE**—Creeps over the ground like Ivy; especially valuable for cemetery planting; produces profusely large single white flowers with yellow center; wild rose fragrance.

**MANDA'S TRIUMPH**—Large clusters, double pure white flowers, well formed.

**PINK ROAMER**—Single flowers nearly 2 inches in diameter, bright, rich pink, almost white center.

## "Souper" Collection of Roses.

Price (Postpaid), each, 10 cents; the 4 for 35 cents.

**New Pink Souper**—Free and constant bloomer, covered, when only a few inches high, with dozens of bright rosy pink flowers, changing in hue as they fade and producing a pleasing effect.

**Yellow Souper**—(*Mosella*)—Splendid bedding rose; strong grower; flowers in clusters, on single stems; yellow in center, turning creamy white on the edges of the petals.

**White Souper**—(*Leone Osterreith*)—There is no better white rose grown; buds good size, flower full, double and deliciously fragrant, pure white with deep center.

**Clothilde Souper**—(*Polyantha*)—Vigorous growth, compact, wonderfully profuse and constant bloomer; flowers very double, produced in clusters, beautiful pearl-white with rose-lake center; slightly fragrant; very hardy everblooming rose. One of the finest.

## New and Standard Geraniums.

Comprising Varieties of the Highest Merit. Not an Undesirable One in Whole List.

### Superb Double Geraniums.

10 cents each, 6 for 50 cents.

**Profusion**—Rich, warm salmon color; a grand variety for bedding and out door planting.

**A Beauty**—Very dwarf with stiff, neat foliage; large truss.

**Heteranthe**—(*Double Gen'l Grant*)—Clear vermilion-red flowers showing well above compact, sturdy foliage.

**La Favorite**—Most beautiful double white; an excellent bedder.

**Emile de Girardin**—Color a soft rosy-pink; a prolific bloomer.

**S. A. NUTT.** The very best of the dark crimson-scarlet bedders.

### Select Single Geraniums.

10 cents each, 6 for 50 cents.

**Granville**—The finest of all the single pinks for bedding purposes. Plant of good strong habit, and prolific bloomer; forms a mass of soft, clear pink.

**Athlete**—Large flowers and truss; brilliant scarlet; very stalky.

**Sam Sloan**—A velvety-crimson, and carrying immense trusses.

**PEACH BLOSSOM**—(*Souvenir de Mirande*)—Has round florets, upper petals cream-white with a distinct rosy-pink.

**Rev. Atkinson**—Rich crimson-scarlet, fine large flowers and truss.

**Mrs. J. M. GARR**—One of the finest single white bedders.

### "The Sunproof Race"—(Brunt's.)

**Mme. Brunt**—Totally distinct from every other in cultivation; semi-double; white veined with carmine lake. 15c.

**Beaute Poitevine**—Semi-double; enormous flowers, aurora pink, shading to bright salmon center; grandest of light fancy Brunts. 15c.

**Alphonse Ricard**—Flowers in great masses; dwarf and branching; brilliant shade of orange-red. 10c.

**W. P. Simmons**—Remarkable for its dwarf stature and brilliant and abundant bloom; extremely bright orange-scarlet; grand size. 15c.

**Mrs. E. G. Hill**—Floret 2½x2 inches. Center of each petal is a soft, light salmon, bordered rosy-salmon and veined deep-rose. 10c.

Three 10c. or two 15c. kinds for 25c. The set of 5 for 50c.

### Ivy-Leaved Geraniums.

10 cents each, 3 for 25 cents.

**Chas. Turner**—Color bright scarlet with soft rose tint.

**Joan of Arc**—Only double white Ivy Geranium; free bloomer.

**Prince Albert**—Beautiful green foliage, with a creamy white band, sometimes changing to pink; flowers single, pink.

**Incomparable**—Trusses very large; an exquisite shade of rosy-carmine.

### Sweet-Scented Geraniums.

10 cents each, 3 for 25 cents.

**Balms.** Mrs. Taylor, Oak Leaf, Rose, Skeleton Leaf, Nutmeg, Lemon, Apple, Shrubland Pet.

### Variegated Leaved Geraniums.

15 cents each, 3 for 40 cents.

### Mrs. Parker.

The foliage is deep green, with a broad border and margin of pure snow white, the flower is perfectly double, of a clear bright pink.

**William Languth** (or *Red Flowered Mrs. Parker*)—Beautiful dark green leaves, each marked with broad, pure snow white band. Double, bright red.

**Happy Thought**—Dark green foliage, having a light cream almost white center, with a dark band about the light zone.

**Mountain o. Snow**—Bright green foliage with broad silvery white margin; flowers bright scarlet.

**Mme. Sallier**—Bright green foliage edged white; stands sun well; few plants equal it for border.

**Bronze Bedder**—Foliage bright golden yellow; scarlet blossoms.



Mrs. Parker.

# Chrysanthemums.

## New and Standard Varieties.

**ADELAIDE**—Fine white; extra good stem and foliage; one of the best.  
**BLACK HAWK**—Looks like crimson velvet; the color long desired.  
**DOROTHY TOLER**—Deep rose pink; grand globular form; fine foliage.  
**GOLDEN WEDDING**—The largest golden-yellow ever introduced. Nothing can exceed the richness of its color. A remarkably vigorous grower.  
**HELEN BLOODGOOD**—Beautiful clear pink, of spherical form; extra fine.  
**IVORY**—Pure white; a splendid free-flowering variety for its grand globular form, its Dahlia-like petals and absolute purity of color.  
**MAUDE DEAN**—An immense pink variety; finely incurved; petals broad.  
**MAJOR BONNAFFON**—A grand yellow; incurved; petals large size.  
**MERRY XMAS**—The latest of all whites. Blooms in December.  
**MINNIE WANAMAKER**—Creamy white; very large; much incurved.  
**MODESTO**—Intense yellow, of an incurved slightly whorled form.  
**MRS. HENRY ROBINSON**—An early white, blooming with us October 5th.  
**MRS. F. BERGMAN**—One of the earliest whites. Very fine; stiff stems.  
**MRS. PERRIN**—Fine pink; globular form; incurved; a standard variety.  
**MRS. JEROME JONES**—A beautiful waxy-white; broad incurved petals.  
**MUTUAL FRIEND**—Very large and full. Purest white; much desired.  
**NIVEUS**—A grand snow white variety; flowers large; incurved.  
**PHILADELPHIA**—Large incurved white, shading to lemon-yellow.  
**VIVIAND-MOREL**—Light rose, creamy white and pink; very fine.  
**W. H. LINCOLN**—Bright yellow; large, splendid flower; long stems.  
**WM. H. CHADWICK**—Immense graceful bloom; waxy white, tinted pink.

Price of above, each, 10 cents; any 6 for 50 cents;  
 13 for \$1.00, or

The Full Set of 21 Varieties for \$1.75, postpaid.



Maude Dean Chrysanthemum.

MRS. L. A. GREEN, Va., April 11th, 1900, "DEAR SIRS:—I received my roses on 7th. They were in excellent condition and I am delighted with them. Will certainly recommend your plants to my friends."

## Six Superb Carnations.

Price, 10 cents each. The Set of 6 for 50 cents.

**METEOR**—A beautiful crimson-maroon. One of the latest; fine for cutting.  
**GOLD NUGGET**—The best yellow. Strong grower; free flowering; long, strong stems.  
**JUBILEE**—Color, intense scarlet of the richest shade. One of the largest flowers among the reds; flowers full and well built; a free, continuous bloomer.  
**FLORA HILL**—Grandest white to date. Enormous flowers. Wonderfully free bloomer.  
**TRIUMPH**—Large pure pink variety; strong grower; dark green foliage; one of the best.  
**WM. SCOTT**—This is the greatest Carnation of its kind on the market today. A strong, rich pink, with shade of salmon. Flowers of large size.

## Six Charming Fuchsias.

Price, 10 cents each. The Set of 6 for 50 cents.

**AVALANCHE**—Beautiful golden foliage; a dark double violet-purple corolla.  
**BLACK PRINCE**—Large expanded corolla of reddish color; habit of growth extra fine. One of the most abundant blooming varieties that we have.  
**LUSTRE**—Tube and sepals pure white, vivid crimson corolla; free bloomer.  
**MAD. VAN DER STRASS**—Fine, large and elegant form; sepals long and reflexed; pure red; corolla large, double white. The finest market double white Fuchsia.  
**TROPHEE**—Double. Buds quite round and beautiful deep red color. Open flower dark purple, and very beautiful. One of the very finest.  
**ROSAINS PATRI**—Strong and bushy, beginning to bloom quite early in the spring and continuing very late. Tube and sepals are brilliant deep scarlet, thick and leathery in texture; corolla very large, double, and pure white.

## Six Finest Begonias For Bedding and House Culture.

Price, 10 cents each. The Set of 6 for 50 cents.

**ARGENTEA GUTTATA**—A handsome foliage variety. Purple bronze leaves, oblong in shape, with silvery markings. White flowers.  
**VULCAN**—A grand new Begonia. It is an intense Scarlet **Vernon**.  
**SANDERSONI**—A bushy growing variety with glossy deep green leaves. Flowers in clusters of drooping, scarlet, heart-shaped buds.  
**METALLICA**—Grand for tall specimen plants. Thick panicles of pink buds and white flowers against large red veined leaves of glistening bronze-green.  
**VERNON**—Foliage light glossy green, often shaded deep bronze; flowers at first opening are a deep red, changing to a beautiful clear rose.  
**RUBRA**—Dark glossy green leaves. Free flowering. For house or conservatory. Flowers a rich coral red, in large pendant panicles.



CARNATION BLOOMS.



# Plant Collections

## OUR SPECIAL 50-CENT Bargains in Plants.

**Only 50c.** Will buy any one of the Collections named below, delivered safely by mail, postpaid, to any address. The Collections are all fine, strong plants of the best varieties, and are marveled of cheapness. We can only afford to sell them so cheap by growing these sorts in immense numbers. The choice of varieties must invariably be left to us, the purchaser simply naming the number of the set or sets desired. Every plant is plainly labeled, and there are no two varieties alike in the same Collection. **There is no Dividing or Changing in these Collections.**

### PLEASE ORDER BY NUMBER ONLY.

**NOTE.**—Sometimes when seeds and plants are ordered together, we send the seeds at once and the plants follow later from the greenhouses.

BY MAIL **50c.** EACH.

#### Collection Number.

- 1—12 beautiful Ever-blooming Roses, all colors and splendid varieties.
- 2—4 Charming Tea Roses, 4 fine Hardy Roses, and 2 Climbing Roses. This makes an elegant collection for 50 cents.
- 3—3 Lovely Tea Roses, 3 fine Hardy Roses, 2 different Climbing Hardy Roses, 2 pretty Japan Fairy Roses.
- 4—5 Superb Hardy Roses, 5 fine Hardy Climbing Roses. This will make a fine outdoor garden.
- 5—10 Lovely Pure White Roses, Fine cemetery plants. Tea and Ever-blooming varieties.
- 6—10 Choice Double and Single Geraniums. Will make a very nice bed.
- 7—4 Double, 4 Single and 2 Sweet-Scented Geraniums. A fine collection for a small garden.
- 8—3 Double Geraniums, 3 Single Geraniums, 3 Fragrant Geraniums, 1 Ivy Geranium.
- 9—2 Silver-Leaved Geraniums, 2 Double and 2 Single Geraniums, 2 Fragrant, 2 Ivy Geraniums.
- 10—12 Chrysanthemums of the new, large flowering kinds, all different and labeled correctly.

#### Collection Number.

- 11—10 Choice Carnation Pinks—large, double and sweet-scented.
- 12—5 Splendid varieties of Carnations, and 5 nice Sweet May or Scotch Pinks.
- 13—10 Lovely Flowering Begonias. This makes a choice collection of beautiful house plants.
- 14—13 Coleus. The best and most distinct varieties of the newer kinds.
- 15—10 Fuchsias double and single, specially selected for window decoration.
- 16—10 Foliage Plants, viz: 4 Coleus, 4 Achyranthus and 2 Acalpha.
- 17—3 Heliotropes, 3 Feverfew, 3 Hibiscus and 1 Asparagus Tenuissimus.
- 18—2 Hibiscus, 2 Moon Vines, 2 Violets, 2 Coleus and 2 Heliotropes.
- 19—1 Hardy Rose, 1 Tea Rose, 1 Double Geranium, 1 Single Geranium, 1 Sweet-Scented Geranium, 1 Hibiscus, 1 Heliotrope, 1 Feverfew, 1 Begonia and 1 Carnation.
- 20—2 Tea Roses, 2 Heliotropes, 2 Sweet-Scented Geraniums, 2 Violets and 2 Carnations—our famous Sweet-Scented Collection.

## FIVE UNNAMED... 50-CENT COLLECTIONS \* BY MAIL POSTPAID.

- 21—13 Lovely Tea Roses. These are all different.
- 22—6 Fine Hardy Roses and 6 splendid Hardy Climbing Roses.
- 23—6 Double Geraniums and 6 Single Geraniums—no two alike.

- 24—15 Beautiful Chrysanthemums which will be a surprise to you in their strange forms and lovely colors.

- 25—12 Choice Carnation Pinks. All colors.

# BARGAIN SETS AND COLLECTIONS

## THE GEM ROSE COLLECTION.

**20 Roses.** A Large Bed of Ever-Blooming Roses, postpaid, **\$1.00**

For \$1.00 we will send by mail, postpaid, to any post-office, the Gem Collection, comprising 20 Beautiful Ever-Blooming Roses, in 20 different varieties, each labeled and carefully selected to suit your locality. If you want beautiful Rose Beds all summer, plant this set. If there is no room in the front yard, plant in the garden, which is a capital place to grow roses for flowers. In ordering say "The Gem Rose Collection."

## OUR CHARMING FUSCHIA COLLECTION.

**20 Elegant Double and Single... FUSCHIAS,** postpaid, for **\$1.00**

This charming set of house plants is well worthy a trial. Nothing will add so much to your window decorations as a fine variety of Double and Single Fuchsias. Give it a trial.



## THE PRIZE CHRYSANTHEMUM SET.

**20 PRIZE WINNERS...** Postpaid, for **\$1.00**

This collection includes the most desirable varieties that brought prizes at the different shows in November, and covers the entire range of color, form and size. If you desire to be up to date in Chrysanthemums try this collection.

## THE CHAMPION GERANIUM SET.

**20 Beautiful Selected GERANIUMS,** Postpaid, for **\$1.00**

Remember this is not a set of Geraniums picked up from any surplus we may happen to have, but contains the choicest varieties—both double and single, in every shade of this useful flower—and you cannot fail to be pleased with it.

## DEPARTMENT OF

## Spring Bulbs, Plants, Roots, Hardy Shrubs and Climbers.

At the prices here given we send by mail, except where otherwise noted, and unless specially ordered otherwise. When Bulbs, Roots or Plants are sent by express, at purchaser's expense, we can usually send larger stock than if by mail, and more safely packed. When Seeds and Bulbs or Plants are ordered together, the seeds, bulbs, etc., not injured by frost will be sent at once, and the tender ones as soon as possible without danger of injury from cold weather. Those in want of Larger Quantities than here quoted will please write, stating kinds and quantity wanted, and we will cheerfully make Special Prices.

## Vittata.



## Jacobean Lily.

fragrant. Bulbs, each, 35c.; 3 for \$1.00.

**EQUESTRE**—Bright salmon pink, with a distinct snow-white blotch at base of petals. Bulbs, each, 15c.; 4 for 50c.

**FORMOSISSIMA**—(Jacobean Lily)—Crimson velvet color, flowering early. Each, 15c.

**VITTATA**—Red and white striped; a beauty. Each, 50c.

## Amaryllis.

Beautiful lily-shaped flowers, due for pots, and should be in every window. No bulb is easier to manage; pot them when received and they will soon begin to grow and bloom. Following are the finest varieties.

**JOHNSONII**—Bears 3 to 6 large brilliant red flowers with white stripes in the center of each petal; fragrant. Bulbs, each, 35c.; 3 for \$1.00.

**EQUESTRE**—Bright salmon pink, with a distinct snow-white blotch at base of petals. Bulbs, each, 15c.; 4 for 50c.

**FORMOSISSIMA**—(Jacobean Lily)—Crimson velvet color, flowering early. Each, 15c.

**VITTATA**—Red and white striped; a beauty. Each, 50c.

## Apios Tuberosa. HARDY CLIMBER.

Also called **Tuberosa-Rooted Wistaria**, as it greatly resembles that well-known vine. It blooms most profusely, bearing lovely clusters of rich, deep purple flowers, possessing a delicious violet fragrance. Perfectly hardy. Bulbs, each, 5c.; 5 for 20c.; doz., 40c.

**Akavia Quinata**. One of the best hardy climbers, bears throughout the season numberless clusters of fragrant violet-brown flowers, with a pleasant cinnamon odor; blooms early in spring, continuing several weeks. In good soil will grow 20 to 40 feet high, according to location. Plants 6c. each, 4 for 50c.

## Cyperus "Umbrella Alternifolius. Plant."

A plant of the very easiest culture, and will thrive in any soil if kept well watered. They thrive best, however, in damp soil or in a partially shaded place, like the north side of a fence, etc. It will grow in a bowl, dish or vase partly filled with soil and water. From the center of the umbrella-like and palm-like leaves appear small flowers, followed by young plants. A very satisfactory plant, indeed. Plants, each, 15c.; 5 for 50c. Larger Plants, 25c.; 5 for \$1.00.



Umbrella Plant.

## Ampelopsis.

## "BOSTON IVY."

**VEITCHII**—The Popular Boston or Japan Ivy. The finest climber we know of for training over brick walls, as it clings firmly to the smoothest surface, covering it smoothly and densely with fresh, green heart-shaped leaves in summer, which take on, in the fall, the deep bright autumn colors. It likes a rich soil; quite hardy, but requires a slight protection in winter in our climate. Strong plants, 15c. each; 2 for 25c. Extra Strong Plants, 25c., each; 3 for 40c.

**QUINQUEFOLIA**—(Old Virginia Creeper. "American Woodbine.") A hardy climber of rapid growth, for covering walls or unsightly objects. 15c.; 4 for 50c.

## Achillea. PURE WHITE. "THE PEARL." ..... The Great Cemetery Plant.

A plant will produce hundreds of flowers the first summer, but when established the second year frequently have more than five hundred perfect flowers on the plant at one time. It commences to bloom early in July, and is a perfect mass of beautiful flowers until frost. Flowers pure white, perfectly double, and produced in large sprays, making it one of the finest cut flowers for bouquets, vase baskets, etc. A most valuable plant for cemetery planting, as it is sure to thrive and bear its great profusion of snow-white flowers nearly the whole summer. A HARDY PERENNIAL; succeeds everywhere. Plants, Each, 10c.; 3 for 25c.; doz. 75c.

**Bignonia Radicans**. "Trumpet Flower." A rapid growing climber with long dark red trumpet-shaped flowers, with orange throat; very hardy. Each, 20c.; 3 for 50c.



Abutilon, Savitzii.

## Abutilon.

Flowering Maple, or Chinese Bell Flower.

**SAVITZII**—A new Japan maple-leaf variety; plant dwarf and compact; foliage large, clearly defined, with deep border on leaf; distinct and very valuable plant.

**SOUV. de BONN**—Similar to the above, but a stronger grower and narrower white edge on leaves.

**GOLDEN FLEECE**—A fine, pure bright yellow; free bloomer.

**ECLIPSE**—With golden spotted leaves, flowers bright yellow, crimson throat; suitable for baskets and vases.

**SPLENDENS**—Dwarf; deep red flowers.

**THOMPSONI**—Double. Orange flowers, spotted leaves; distinct.

## Begonias.

## Tuberos-Rooted.

The extra large size and beautiful colors recommend this flower to all. They are easily grown and cared for. For growing in pots or boxes in the house, plant in rich, sandy soil; give good drainage, water freely after the leaves start, but do not let the soil become sour or logged from over-watering. If it is desired to have a bed outdoors, select a shady, moist situation, making the bed rich with thoroughly rotted manure and leaf mould, if obtainable. Plant as soon as danger from frost is over. After the plants start into vigorous growth keep well watered. If planted in a proper situation no plant will give a more magnificent display throughout the summer. The single varieties are most satisfactory for general purpose.

**SINGLE VARIETIES**. Large, well ripened tubers. White, pink, yellow and crimson—Each, 10c.; 4 for 30c.; dozen, 80c.

**Single, mixed**—Many varieties. Each, 10c.; 4 for 25c.; dozen, 75c.

**DOUBLE VARIETIES**—In Finest Mixture. Many varieties. Each, 15c.; 4 for 50c.; doz., \$1.50.

**Aristolochia Siphon**. Dutchman's Pipe Vine. A magnificent perfectly hardy vine of rapid growth with very large heart-shaped leaves and brownish flowers, resembling in shape a miniature pipe; splendid for archways or verandas. The leaves retain their light green color from early spring to late fall. Each, 30c.; 4 for \$1.00. Extra strong plants, 50c. each; 3 for \$1.25.

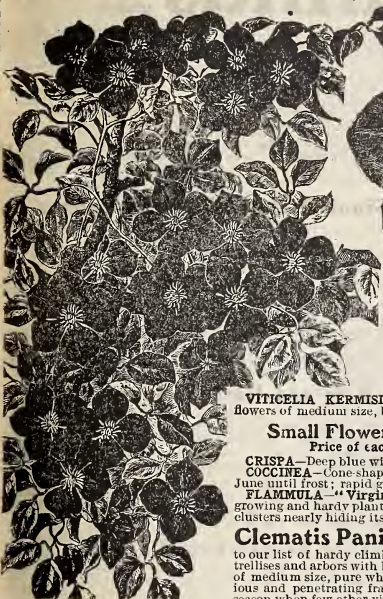


Achillea—The White Pearl.



# Clematis.

THE JUSTLY PROUD QUEEN OF ALL HARDY CLIMBERS, with its large beautiful flowers of many colors, produced in great profusion the entire season, is admired by everyone, the world over. It is a rapid grower, and delights in a heavy rich soil and a sunny position. Dig the soil deep and special at dry times; give plants a good top dressing of well rotted manure late in the fall, and the following spring spade well and carefully into the soil and you will be well repaid. The varieties we offer are those best adapted to our climate.



Jackmanii.

**GIPSY QUEEN**—One of the finest rich purple varieties; a very strong grower; free bloomer.

**RAMONA**—A strong, rampant grower; very hardy; free and perpetual bloomer; flowers very large; color, beautiful lavender.

**DUCHESS OF EDINBURG**—Best and freest flowering double white; deliciously scented.

**VITICELLA KERMSINUS**—A splendid variety; profuse bloomer; flowers of medium size, bright wine color; a strong grower.

## Small Flowered and Fragrant Clematis.

Price of each variety, 20c. each; 3 for 50c.

**CRISPA**—Deep blue with white border; fragrant bell-shaped flowers.  
**COCCINEA**—Cone-shaped flowers; bright coral-red; blooms from June until frost; rapid grower; very free bloomer.

**FLAMMULA**—*Virgin's Bow*—*American White*—A very rapid growing and hardy plant; its small, white fragrant flowers are borne in clusters nearly hiding its small bright green foliage.

**Clematis Paniculata**—*New Sweet Scented Japan Clematis*. One of the finest additions to our list of hardy climbers. Of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. Flowers of medium size, pure white, borne in immense clusters; of a most delicious and penetrating fragrance. Flowers appear in late summer at a season when few other vines are in bloom.

**M. Koster**—A beautiful variety of rich rose coloring; a strong free grower; remarkably free flowering. We have seen, under ordinary cultivation, two-year-old plants 6 to 8 feet high with hundreds of flowers open. First Size, each, 75c.; 3 for \$2.00. Second Size, each, 50c.; 3 for \$1.25.

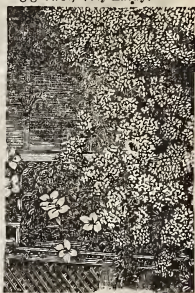
**PRICE OF THE FOLLOWING CLEMATIS**—1st Size, 60c. each; any 3 for \$1.50; any 6 for \$2.75. 2d Size, 40c. each; any 2 for 75c.; any 6 for \$2.00.

**Jackmanii**—Flowers dark, rich royal purple; very free bloomer; the best known and most popular.

**Jackmanii Alba**—Fine large pure white flowers.

**Henryii**—Best Single Flowering White. Robust habit; a fine bloomer; large finely formed flowers of a beautiful pure white. Very hardy.

**SEICDLII**—Extra large; a beautiful lavender; a strong grower; very hardy.



Clematis Paniculata.

# Caladiums "Elephant Ears."

other plant does, adding greatly to the lawn or garden by its immense tropical like foliage. Plants attain a height of from 4 to 6 feet, the leaves being veined with different shades of green; when massed alone or with Cannas they produce a most striking and beautiful effect. They are of easy culture, and will grow in almost any garden soil, but if especially large plants are wanted they should be planted in a well enriched soil and given water in abundance throughout the season. The bulbs may be kept over winter by taking up in the fall when frost kills the foliage; leave some soil on the roots, dry gradually in a dry, airy, shady place for several days, then pack in a shallow box in dry sand or soil and store in a dry, warm cellar.

**First Size Bulbs**—1 1/4 to 2 1/4 in. in diameter, 15c. each; 3 for 40c.; doz., \$1.40. **Second Size**—2 1/4 to 3 ins. in diameter, 20c. each; 3 for 50c.; doz., \$1.75. **Third Size**—3 to 4 ins. in diameter, 30c. each; 3 for 85c.; doz., \$3.00. **Extra Large Mammoth Bulbs**—4 ins. and over, 50c. each; doz., \$5.00. Prices of above are by mail, postpaid. By Express (not paid). **First Size**—Doz., \$1.00; 100 for \$5.00. **Second Size**—Doz., \$1.50; 100 for \$7.50. **Third Size**—Doz., \$2.50; 100 for \$14.50. **Extra Large Mammoth Bulbs**—Doz., \$4.50; 25 for \$8.50.

**JOHN MOCK**, 1247 South High St., Columbus, Ohio, had a Caladium leaf measuring 10 ft. and 10 ins. in circumference. **WM. McCANN**, this city, reports a leaf 49 inches long. **I. SIEBERT**, Neff and 10th aves., had a leaf over 4 feet long.

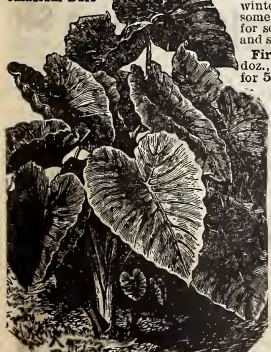
## Cinnamon Vine.

This beautiful and rapid climber possesses the rare quality of emitting from its lovely white flowers the delightful odor of cinnamon. They are perfectly hardy, dying down every autumn but growing again in the spring so rapidly as to cover a trellis or arbor very early in the season. Vines run 25 feet or more, and when trained over and about a door or window make an ornament much admired. It is easy to cultivate, has no insect enemies, and is not affected by drouth, because it roots so deeply. The tubers are called "Chinese Yams"; they increase in size from year to year, and are often 2 feet long at two or three years of age. We have grown this vine for many years, and sent out thousands to every section of the country, and the verdict is—"One of the most desirable climbers in cultivation."

**ROOTS**—postpaid—Each, 10c.; 2 for 15c.; 5 for 25c.; 15 for 50c.; 40 for \$1.00; 100 for \$2.00.



Caladium Bulb



Caladiums.



Cinnamon Vine.





Madame Crozy Cannas.

## Crimson and Scarlet Shades.

**PHILADELPHIA**—Green foliage. One of the best for massing. Makes a splendid bed planted alone as a solid color. Petals broad and shapely; color clearest shade of glowing crimson-scarlet. 4 feet.

**ROBERT CHRISTIE**—Green foliage. Large flowers of a bright vermilion, forming large trusses, which incline to droop gracefully. An early and prolific bloomer. 5 to 5½ feet.

**ALPHONSE BOUVIER**—The standard crimson; large; bright. 6 feet.

**BEAUTE POITEVINE**—The ideal bedding Cannas, always in good condition in all kinds of weather. Bright, rich crimson. 3 feet.

**CHAS. HENDERSON**—Flowers crimson. One of the best. 4 feet.

**EXPLORATEUR CRAMPBEL**—Flowers large, color a clear vermilion scarlet, tinted with crimson spots. 5 feet.

PRICE—any of above—Each, 10 cts.; dozen, \$1.00, postpaid.

## Gilt-Edged Varieties.

**MADAME CROZY**—Old reliable, all round general purpose Cannas. Very large scarlet-red, flowers bordered with gold. Spike large; of fine form; great bloomer. 4 feet.

**QUEEN CHARLOTTE**—Rich crimson-scarlet, with wide gold border on every petal. A profuse bloomer. Broad green leaves. 8½ feet.

**SOUV. de ANTOINE CROZY**—A fine gilt-edged variety. Large full spikes. Rich crimson flowers, bordered with golden yellow. 3 feet.

PRICE—any of above—Each, 10 cts.; dozen, \$1.00.

## Yellow, Orange and Salmon Shades.

**THE BURLINGTON**—Green foliage. Flowers large, rounding; a clear orange color, with a bronze luster. Strong grower, early to flower; cleans itself of all decayed flowers. 6 feet. 15c.; 3 for 40c.; 8 for \$1.00.

**FLORENCE VAUGHAN**—The highest type. Petals remarkably wide, rounded on the ends, of good substance; very large yellow flowers, thickly dotted with bright red. Foliage green, splendid broad leaves.

**PAUL MARQUANT**—Green foliage, strong flower spikes; extra large flower of a deep salmon color, smoothly shaded orange. 4 feet.

PRICE—Any of above, except where quoted, each 10c.; doz., \$1.00.

Special Prices on application for Larger Quantities of Cannas than here Quoted.

# Cannas

The Cannas are one of the most beautiful of all foliage plants.

It has long been a great favorite, but since the introduction of the new French varieties their value has been greatly increased by adding to the already attractive foliage, large flowers of the most brilliant colors, and now these are the leading foliage plants known to florists, the foliage differing in the different varieties from a splendid bronze to a light and dark green, and the flowers from a bright yellow to a dark red; also in variegation and mixtures. Plants grow from two to ten feet high, according to the kind. Many of the following, after blooming all summer, will bloom in the winter if potted before frost. Plant outdoors about the middle of May. Do not water too freely until well started or the roots will rot. Belongs to be found a SELECT LIST of the best and most distinct old and new varieties. Too many so-called NEW varieties have been introduced with really nothing of merit or distinctness to recommend them over old kinds, such we have culled out, making up our list of all choice kinds, every one of which is a good one. We supply Roots up to about April 1st, and PLANTS after roots are gone.

## New Giant Orchid Flowered Cannas.

**AUSTRIA**—Pure canary yellow; fine large flowers, reddish-brown dots in center of inside petals.

**PARTENOPE**—Green foliage. Color bright reddish salmon. Very showy and distinct. Early. Free flowering, 6 to 6 feet. Each, 20c., 3 for 50c.

**BURBANK**—Flowers 6 to 7 inches across, mostly semi-double. Beautiful rich canary yellow. Throat finely spotted crimson. Strong and handsome. 5 to 6 feet.

**ITALIA**—Immense flowers of true orchid form. Center brilliantly red. Petals widely bordered with deep yellow. Very handsome and showy. 4 to 5 feet.

**ALLEMANIA**—Enormous flowers. Outer petals scarlet with broad yellow border, inside of bloom scarlet and dark red. Foliage dark green. 4 to 6 feet.

Price of above, except where noted, each, 15 cents, three for 35 cents. The orchid set of five for 60 cents, Postpaid.

## New and Rare Cannas.

**Mlle. BERAT**—Green foliage. One of the best bedders we have. A very soft shade of rosy carnation. Petals long and hang gracefully upon the flower stalk. 5 feet.

**PRESIDENT MCKINLEY**—2½ to 3 feet. Brilliant crimson, with bright scarlet shading; truss large, compact, of good shape, held well above the foliage; very free flowering.

**PRESIDENT CLEVELAND**—3 feet. Bright orange scarlet, large truss, strong, robust.

**FLORIDA**—Dwarf; 24 inches; beautiful carnium red, bordered deep with golden yellow.

**GLORIOSA**—Dwarf; only 18 to 24 inches high. Color, bright rich crimson, with wide border of deep golden-yellow. A most showy and handsome variety.

Price, each, 15c. The set of 5 for 60c., postpaid.

## Red, Dark or Bronze-Leaf Varieties.

**LEONARD VAUGHAN**—Has rich, deep bronze foliage; best dark leaved, flowering kind to date. Large, bright scarlet flowers. 6 feet. Each, 15 cents; 3 for 40 cents; 7 for 75 cents.

**BRONZE BEAUTY**—Bronze leaf, green stalk, strong grower; color deep vermillion-orange. 5 feet. 15 cents; 3 for 40 cents; 7 for 75 cents.

**Robusta.** Well-known and one of the most effective of all dark-leaved varieties, although not a large flowering sort, it is valued on account of its luxuriant foliage, making it desirable in sub-tropical gardening, where rich foliage effects are wanted. It is a strong, vigorous grower; its immense dark bronze leaves are 12 to 18 inches wide and 30 to 36 inches long. We have a fine lot of roots of this "old reliable."

**GOOD ROOTS**, each, 10 cts.; 6 for 50 cts.; postpaid. **STRONGER ROOTS**, by express (at buyer's expense), 10 for 75 cts.; 25 for \$1.50; 50 for \$2.50; 100 for \$4.75.

## Livingston's Dazzle 6 Canna Set.

A VERY POPULAR SET.

Six of the very best, richest colors, largest flowering French types, all different sorts, selected for their bright and Dazzling colors. Of easy growth. Hard to beat anywhere. Bound to please everywhere. Try a set and see. Postpaid, **ONLY 60 CENTS.** 2 sets for \$1.00.

**JAMES STITT, Ohio.** "I received the Canna bulbs in fine condition; was very much pleased with them. Accept thanks for same."

## Chenille Plant.

"Comet Plant."

(*Acalypha Sanderi*).—A most distinct and striking new plant; for ornament and decoration unsurpassed. Has spikes of glowing crimson-scarlet; 18 to 24 inches long; of early growth, free-flowering the entire season. A plant hard to surpass in the conservatory or greenhouse. **PLANTS**, each, 20 cts.; 6 for \$1.00. **Larger Plants**, 40 cts., postpaid.





Livingston's

## Gladiolus

"True Blue."



These fine Summer and Fall flowering Bulbs will produce blooms which embrace every shade of color, and are marvels of beauty. Great improvements have been made in this flower during the last few years. They are of earliest culture and produce their brilliant spikes the first year. As soon in the spring as the ground is sufficiently warm and dry, make plantings at intervals of two weeks during the spring months, whereby a succession of bloom will be had. In the fall the bulbs can be taken up and stored over winter in a dry place.

Our Prices include postpayment, unless otherwise noted.

## OUR "True Blue" Mixture.

Made up of extra high grade varieties, the newest and most popular named sorts producing the greatest possible range of color and containing many fine specimens of rare beauty which will be appreciated by the most critical and those who care to grow only the best obtainable. A mixture bound to lead all others in popularity. Postpaid—5c. each; 6 for 25c.; doz., 40c.; 40 for \$1.00; 100 for \$2.25. By Express—\$1.75 per 100; \$15.00 per 1000.

CHICAGO, ILL.—"Gladiolus seedlings sent me last spring were superior to any seedlings I have seen so far."—C. J. S.

EGANVILLE, ILL.—"The Gladiolus far exceeded my expectations and compared most favorably with those that COST EYE TIMES what they did."—W. C. E.

WASHINGTON, D. C.—"Bulbs sent were much superior in every way to the 'superb' collection that I had from others the previous year."—J. S.

BALTIMORE, Md.—"Gladiolus received from you were the finest we ever grew."—C. RHOES.

JACOBS, Ind.—"Gladiolus bulbs bought of you are the finest I ever saw; so many varieties and all extra fine."—S. T. D.

## Popular Low Price Mixture.

CHEAP ONLY IN PRICE. Composed of first and second size bulbs of many choice kinds with a wide range of color. Very popular for general use. Postpaid—4 for 10c.; doz., 20c.; 100 for \$1.25. By Express—\$1.00 per 100; \$8.00 per 1000.

## Lemonie's Butterfly. Mixed.

Made up of finest sorts. Postpaid—3 for 10c., 30c.; 40 for \$1.00; 100 for \$2.00. By Express—100 for \$1.60.

## New Giant Gladiolus.

A magnificent new race with extraordinarily large flowers of remarkable beauty. All Colors Mixed, each, 5c.; doz., 50c.; 100 for \$1.00, postpaid.

## Gladiolus.

## Separate Colors.

Prices of Single Bulbs and Dozens includes postage. 50 and 100 lots go by express at buyer's expense unless 60c. per 100 is added to prices given.

White and Light Shades, Mixed, each, 5c.	Doz., 40c.	50—\$1.75	100—\$3.25
Pink Shades, Mixed, each, 5c.	Doz., 40c.	1.25	2.25
Red and Scarlet Shades, Mixed, each, 4c.	Doz., 35c.	1.85	1.50
Yellow Shades, Mixed, each, 6c.	Doz., 50c.	2.00	3.50
Striped and Variegated, Mixed, each, 5c.	Doz., 40c.	1.75	3.25

## Gloxinia.

A charming class of summer-blooming plants, the rich and varied coloring of the flowers being beautiful in the extreme, many of them beautifully speckled; flowers 3 inches long by 2 inches in diameter, upright and pendulous; colors—crimson, violet, rose, scarlet, white, etc. They attain the greatest perfection of growth in light, rich soil, in a shady, well ventilated frame. After they are done blooming they may be kept in a warm, dry cellar, or under the stage of a greenhouse. Our mixture has many colors, ranging from white to crimson and purple. Mixed Colors—Bulbs, each, 10c.; 3 for 25c.



Crimson Eye Hibiscus.

## Hibiscus

## "New Crimson Eye."

A robust grower with dark stems and foliage. Flowers immense size, purest white, with large spots of deep velvety crimson in the center of each. Perfectly hardy. Blooms the first year in open ground. Each, 15c.; 4 for 50c.; 9 for \$1.00.

## Mixed Gladiolus

The bulbs we offer are of the finest quality, and no better mixture can be had, where fine colors and distinct markings are desired. Our stock is produced by leading specialists and the most critical growers in the United States, hence, improving in quality from year to year. Greater satisfaction for the small outlay required can hardly be obtained.

## Our Standard Mixture.

A well balanced mixture unsurpassed in beauty and variety of color, hardly any two alike, composed of old standards and new ones of high merit. Excelled only by our True Blue Mixture. Postpaid—3 for 10c.; doz., 30c.; 50 for \$1.00; 100 for \$1.75. By Express—\$1.25 per 100; \$11.00 per 1000.

## A Few of the Best Named Gladiolus.

Price for each Named Variety, except Snow White.

Single Bulbs, 10c.; 3 for 25c.; dozen, 90c.

ANGLE—White, large flower, very effective.

AMALTHE—Pure white with violet-red blotch.

BRENCHLEYENSIS—Rich vermilion-scarlet; brilliant.

CERES—White, spotted with purplish rose.

EUGENE SCRIBE—Flowers large and wide, tender rose, blazed carmine red; extra fine.

ISAAC BUCHANAN—Fine, clear canary-yellow.

GRAND ROUGE—Enormous spike and flower of the most perfect shape and intense scarlet, with small violet blotch in throat; very fine.

LA CANDEUR—White, striped carmine-violet.

SHAKESPEARE—White, slightly suffused with carmine-rose; large rosy blotch.

SNOW WHITE—Magnificent variety with enormous spikes of large flowers. Each, 20c.; 3 for 50c. etc.

## "CARE AND CULTURE OF GLADIOLUS."

Written for us by MR. WILBER A. CHRISTY, who is a Gladiolus Specialist.

FREE TO CUSTOMERS. TO OTHERS.....20 CENTS.

## Hydrangea Paniculata Grandiflora

## Strictly Hardy.

One of the grandest of our flowering shrubs, and absolutely hardy in all sections of the country. Easy to grow. Flowers in immense panicles, white at first, gradually changing to rose color, and remains in good condition for weeks. Desirable for cemeteries or lawns. Strong plants, each, 15c.; 4 for 50c.; doz., \$1.25, postpaid. Extra Strong Plants, (2 to 3 feet) by Express, each, 40c.; 3 for \$1.00. Tree Form Plants—Nice large bushy tops, 75c., by express only.

This well known Lilacs, and fragrant flower needs no description. They grow freely and bloom profusely, even in poor soil.

Alba—Pure white, very fragrant.

Rubra—The well known purple.

Price of Each—2 year plants, 15c.; two for 25c., postpaid.



Hydrangea Paniculata Grandiflora.

# Dahlias

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blase of bloom until stopped by frost. Especially fine for cut flowers. We know of nothing more showy for table decoration than a loosely arranged bouquet of long-stemmed Cactus or Single Dahlias.

**CULTURE.** While it is one of the easiest of all flowers to cultivate, it by no means follows that it needs no attention. In fact, no flower will give such a generous response to good cultivation. Deep and thorough stirring

of the soil during the early growth of the plant is indispensable; but later in the season frequent surface cultivation only should be given. Plant in an open sunny situation, at least where the sun reaches them the greater portion of the day. It is a rank feeder and should have well enriched soil and kept free from grass and weeds. Cultivation should cease when the blooms appear. Simply water liberally in dry weather. Plant the bulb 2 or 3 feet apart, according to size and habit of the plant, about 4 inches below the surface of the ground, laying the bulb on its side. Varieties growing 3 feet or more in height should be tied to stakes to prevent falling. Plant about the first of May in this latitude, or when the ground has become warm.

**Winter Protection.**—As soon as the frost has killed the foliage, the roots should be carefully taken from the ground and the soil shaken from among them; they may be stored away in a cool place, not too dry, but secure from frost.

Dahlias are divided into six general classes, and the following rules apply only in general: **Cactus**—The long, narrow petaled varieties, the petals generally pointed or twisted.

**Decorative**—Broad, flat petals, formerly of classes with Cactus and Fancy. **Variegated**.

**Pomponé**—The small, round Dahlias; plants generally dwarf and bushy. **Show**—Large, well formed flowers, showing solid colors, but may have shaded tips.

**Abbreviations.**—C, Cactus; D, Decorative; F, Fancy; P, Pomponé; S, Show. The Letters following the names indicate to which class the variety belongs.

**Filling Orders.**—We send dormant roots as weather will permit, up to about April 15. After our roots are exhausted we send good pot-grown plants.

PRICES ON ALL DAHLIAS ARE POSTPAID, UNLESS OTHERWISE QUOTED.

## Clifford W. Bruton.

The finest yellow Decorative Cactus Dahlia yet produced. Flowers very large, perfectly full; in color a solid pure yellow, very clear and rich, with no green center, borne on very long, graceful stems, and hence of great value for cutting. Robust grower and exceedingly profuse bloomer.

Clifford Bruton.

## Matchless.

(C) A superb variety and a great prize winner. Large, handsome flowers of the form, perfectly full and rich, soft maroon, exceedingly showy.

## Floral Park Jewel.

(F) Flowers of many colors, from deep maroon to bluish white, also beautifully spotted and variegated forms, all produced on the same plant.

## Nymphæa.

(C) An American Dahlia of the greatest merit; as a cut flower unequalled in Dahlias large and small; robust grower. A novel, clear delicate pink, not unlike a water-lily in form and color; a mass of bloom from June until frost. If you buy but one Dahlia, take this.

## "New Perle" Dahlia.

The finest white Cactus yet introduced; a perfect gem, might be called a white Nymphæa; one of the finest for cut flowers.

## "Daybreak" Dahlia.

A pleasing soft pink, like "daybreak" Carnation. Best dwarf by all odds we saw last season, loaded with flowers.

## A GRAND NEW DAHLIA.

This new snow-white dahlia is extremely early, a profuse and constant bloomer; a strong, vigorous grower of dwarf branching habit, and produces its flowers on long stems. It combines all the good qualities of the popular A. D. Livoni with an early-blooming habit and the production of twice as many flowers with longer stems. The flowers are snow white, of perfect form, and full to the center. As a cut-flower variety, it is the florists' ideal, while foregrounding or as a specimen plant it is far ahead of any other white show dahlia.

## "St. George" Dahlia.

The grandest single Dahlia ever introduced; flowers a pure clear yellow, 3 to 4 inches in diameter, and borne on long stems. A prize winner at all shows.

Price for Above 15c. Each; 3 for 40c.; \$1.50 Doz., Postpaid.

## 20th Century Collection of Dahlias.

One each of the following varieties for \$1.00, postpaid: Clifford Bruton, Admiral Dewey, Parity, Miss May Lomas, Fern-Leafed Beauty, A. D. Livoni, Floral Park Jewel, Crimson Bedder.

MRS. H. SNYDER, Ohio, May 10, 1900. GENTLEMEN: "Received the Dahlia Bulbs today. They are the finest I ever received from any seedsmen."

(D) A valuable new variety, with large flowers of beautiful rich pure purple. Bound to become as popular as the name it bears.

## White Swan.

(S) A new white of extra merit; long stems; fine for cutting. Easily took first prize at the New York show last fall.

## John Elitch.

(D) Flowers very large, five to six inches in diameter, and double to the center; color bright dazzling red.

## Prince of India.

(D) Very large and perfect form; color a beautiful rich rosy crimson.

New Dahlia, "Storm King."





PURITY—Purest Snow—White.



MISS MAY LOMAS.



WM. AGNEW—Intense Dazzling Red.

Price of above Dahlias, 15 cents each, \$1.50 per Dozen.

## Double Dahlias

Unnamed, separate colors. Each, 10 cents, \$1.00 per Dozen, postpaid.

## Single Dahlias.

Much used and very suitable for cut flowers on account of their beauty, grace and long stems. **TRY A SET.**

### Purity.

(S) A PURE WHITE Dahlia of large size, perfect form and exquisite finish: a vigorous grower, dwarf-branching and free bloomer.

### Miss May Lomas.

(S) One of the grandest in the entire list. Flower distinct, having very large, shell-like petals of exquisite waxy finish; pure white, faintly suffused with soft, rosy lavender.

### Pluton.

FINEST OF ALL YELLOW SHOW DAHLIAS. A half dwarf, branching; flowers very profusely.

### Kate Haslam.

(S) Lovely soft pink; petals beautifully quilled.

### Wm. Agnew.

FINEST of all red Cactus Dahlias, and the largest in size; a magnificent Tower in color and form; flowers sometimes measure more than seven inches in diameter; always full to the center; long petals, quilled row beautifully twisted; richest shade of intense dazzling red.

### Grand Duke Alexis.

Large, massive flowers, six inches in diameter; beautiful form; ivory white, petals tubular, sufficiently open to show a faint shade of blush.

### Snowclad.

THE VERY FINEST WHITE POMPONE TO DATE. A strong grower of branching habit; a profuse bloomer; perfect form, always full to the center. Largely grown by florists for design work.

### Lucy Faucett.

(F) Lemon yellow; very desirable flower; one of the largest. Flecked with scarlet and purple, sometimes solid colors.

### Black Prince.

(F) Large, intense velvety maroon, almost black. Blooms in great profusion.

### Fern-Leaved Beauty.

A FINE BEDDING DAHLIA. A new and entirely distinct type with beautiful foliage; finely cut like a fern; dwarf-branching; flowers distinct, good size, creamy white, border of dark crimson around each quilled petal.

### A. D. Livoni.

(S) Most perfect in form; a delicate rose, soft and clear; very graceful; medium to large; early; a great bloomer.

### White Bedder.

(S) Pure white, extra large flowers; very double; extra long stems; fine for cutting.

### Zulu.

(D) Almost black; the darkest of all Cactus varieties.

### Countess of Pembroke.

(D) Pure delicate rosy lavender; flowers medium size and perfect form.

### Crimson Bedder.

(D) Deep crimson; large; free flowering.

### Mrs. E. C. Monroe.

(C) A lovely shade of sulphur yellow; flowers large, of perfect form, beautifully reflexed.

### Henry Patrick.

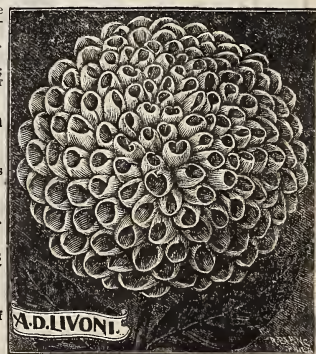
(D) A superb pure white variety of large size and borne on long stems.



GRAND DUKE ALEXIS.



FERN-LEAVED BEAUTY—Novel and Distinct.



A. D. LIVONI.

Miss Roberts—Fine large yellow.  
Fashion—Crimson maroon, flamed scarlet.  
C. E. Varuum—Large red, tipped lighter.  
Ami—Brilliant scarlet crimson flowers.  
Evelyn—Pink with white disc.  
Sunningdale—Rich creamy white.

15 cts. each,  
or the  
Set of 6 for  
75 cts.



## Honeysuckles.

This good old standby is the cheapest, best, most satisfactory hardy climber in the list.

**Japan Golden-Veined.**—(*Aurea Reticulata*)—Foliage beautifully netted with clear yellow; flowers yellowish-white; fragrant.

**Chinese Twining.**—Blooms at intervals through the summer and, retains its foliage late into the winter; flowers nearly white.

**Baleana.**—White, hanging to yellow; very fragrant, and free flowering. *Hardly evergreen.*

**Sweet-Scented Monthly.**—Fine rapid growing variety; large trusses of very fragrant flowers; color, red and yellow; a constant bloomer.

**Scarlet Trumpet.**—A strong, rapid grower; blooms very freely the entire season; bright red trumpet-shaped flowers.

**Upright Honeysuckle—Tartarian Alba.**—Forms a high bush, with creamy white flowers; blooms in June and July.

**HONEYSUCKLES, Each 15 cents; any 4 for 50 Cents (Postpaid.)**

## Heliotropes.

Nothing can take the place of Heliotropes in a bouquet. Any rich, light soil will answer for them. They are suited equally well for pot culture and for borders. Universally popular on account of their delightful fragrance.

**Heliotropes, each, 8c; 4 for 25c; dozen, 75c.**

**Albert Deleaux.**—Purple flowers, leaves finely variegated with golden-yellow; quite striking.

**Chamelon.**—Bright blue, passing to pale lavender.

**Snow Wreath.**—The nearest to pure white, trusses very large, exquisite fragrance.

**Florence Nightingale.**—Dark lavender; fine.

**Czar—Dwarf.**—Dark, stiff stems and flowers of deep, intense violet.

## Trailing Lantana.

A fine plant of graceful drooping habit, producing flowers at each leaf. Its dark golden yellow color is both fashionable and beautiful for cut-flowers; planted singly or in clumps on the lawn gives a splendid effect, as it is one of the most hardy plants; once planted it is always there and grows more beautiful from year to year. 15c. each; 2 for 25c; 4 for 40c; doz., \$1.00; 5 for 50c; 10 for 80c., postpaid.

## Hardy Double Sunflower.

**Helianthus Multiflorus**—A "Golden Gem," and a great addition to our hardy herbaceous plants. Its dark golden yellow color is both fashionable and beautiful for cut-flowers; planted singly or in clumps on the lawn gives a splendid effect, as it is one of the most hardy plants; once planted it is always there and grows more beautiful from year to year. 15c. each; 2 for 25c; 4 for 40c; doz., \$1.00; 5 for 50c; 10 for 80c., postpaid.

## Hardy Jasmines.

**Yellow Jasmine (Nudiflorum).**—Producing fragrant yellow flowers; hardly with protection in this latitude. 25 cents.

**White Jasmine—Officinalis.**—Pure white, fragrant flowers. 25 cents.

## Iris Kæmferii.

(*Japan Iris*).—The *Pleur-de-Lis*, so popular in France. The flowers are of immense size, of the most beautiful and delicate shades. Perfectly hardy; flowers in great profusion. A well-established plant gives a dozen or more flower stalks 2 to 3 feet high, each stalk producing blooms. Thrives best if planted in moist soil; if this cannot be had, water freely while growing and flowering.

**Mixed Double Japan.**—10c; 3 for 25c; 6 for 40c; doz., 75c., postpaid.

**Mixed Single Japan.**—Same price.

**German Iris.**—flowers are smaller but equally as rich in color.

**Best Mixed German.**—8c. each; 6 for 35c; doz. 65c., postpaid.

## Lily of the Valley.

No garden is complete without a few clumps of these fragrant flowers, which are such universal favorites as to need no description. Clumps, each 25c; 3 for 45c; 5 for \$1.00, postpaid.

# Lilies.

Lilies are favorites everywhere. Their culture is simple and with a little care failure is impossible. Plant bulbs in the spring as soon as frost is out of the ground—the earlier the better. Select a well-drained spot, dig the soil deep and make it fine, enriching it abundantly with very rotten cow manure, adding a liberal mixture of sand. Set bulbs from 3 to 5 inches deep, according to size.

**Auratum.** (*Gold Banded*). This variety is, beyond question, the grandest of all the Lily family. Flowers pure white, thickly streaked with crimson spots, while the center of each petal runs a clear golden band; flowers (6 to 20 on a stem) produced abundantly from June to October; possess most delicious fragrance; very hardy; best outdoor Lily grown. **First Size Bulbs**—15c; 3 for 40c; doz., \$1.35. **Extra Size Bulbs**—25c; 3 for 65c; doz., \$2.50. **Mammoth Bulbs**—50c. each; 3 for \$1.20.

**Album.** (*Speciosum*). Pure white; hardly less for general cultivation. **First Size Bulbs**—15c; 3 for 40c; doz., \$1.35. **Extra Size Bulbs**—25c; 3 for 65c; doz., \$2.50.

**Rubrum.** (*Crimson Banded*).—White; heavily spotted with rich crimson. **Choice Bulbs**—15c; 3 for 40c; doz., \$1.35. **Extra Large Bulbs**—25c; 3 for 65c; doz., \$2.50.

The three Lilies above should be in every garden.

**Melpomene.** Very large, rich blood-crimson, heavily spotted. **Choice Bulbs**—20c; 3 for 50c; doz., \$1.60.

**Wallacei.**—Beautiful clear buff, spotted black. 15c. each; 3 for 40c.

**Tenaxifolium.**—Beautiful and perfectly hardy; blooms early in the season; color, lovely vermilion-scarlet; very handsome. The coral Lily of Siberia, fine for cutting, and should be grown by the dozen. 25c. each; 3 for 60c; doz., \$2.25.

## Burbank's New Hardy Lily.

Very hardy. Very fragrant. Very vigorous. Very free flowering. Multiples very rapidly; single spikes of flowers 3 feet long; bear upwards of 25 blossoms. Its color is a beautiful yellow with brown spots. It's the Lily "for the millions," on account of hardiness, vigor, fragrance and beauty; multiplies like potatoes, each bulb making 5 or 6 roots; does well from the very start and gets better each year. Each 45c; 3 for \$1.25.

## Funkia Alba.

(*Plantain Lily*).—A handsome, showy plant, with beautiful, large broad leaves. Flowers large, pure waxy-white; large trusses; very fragrant. 15c; 4 for 50c.

**Funki Variegata.**—Has variegated green and white leaves and purple flowers. 15c; 4 for 50c.

For Easter and other lilies that cannot be planted in spring, see Fall Bulb Catalogue, issued about August 1st. Sent Free on application.

## Calla Lilies.

**Sweet Scented Calla.**—New; said to have "fragrance" of violets and lilies, a profuse bloomer, with sweet, lasting fragrance, never before obtained in callas; foliage fluted; pure white flowers. Each, 25c; 3 for 70c.

**Spotted Calla.**—Resembles White Calla, but is of smaller habit. Leaves a glossy deep green with numerous white spots. Ornamental, even when not in bloom. A valuable decorative plant when bedded out in summer. 15c; 2 for 25c; 5 for 50c.

**Dwarf Calla—"Little Gem"**—Scarcely ever exceeds one foot in height; produces good-sized flowers in abundance. 15c; 3 for 40c.

**Black Calla.**—(*Lily of the Holy Land*).—A most odd and curious plant, producing flowers of immense size; color purplish-black. Each, 15c; 3 for 40c.

Little Gem Calla.

## Hardy Water Lilies.

Are becoming more popular every year; no class of plants are more easily cared for when once established. The cultivation is very simple; the best soil for growing them is a rich, fibrous loam, with a liberal mixture of well-rotted manure; cow manure is very desirable. Rich mud from the bed of a pond or sluggish stream is also good. May be successfully grown in the open air in tubs, either on the surface or sunk in the ground. Cut barrels cut in two make inexpensive tubs. About the middle of May put in the loam to the depth of six or eight inches, in which plant the roots, barely covering them. Put on about two inches of sand, to prevent the manure from rising to the top. Fill in 6 inches of water, set in a sunny place, adding water gradually until the tub is full by the time the leaves have covered the surface, and replenish the water as it loses by evaporation. In the winter pour off the water and remove to a cool cellar, or keep from hard freezing by covering with leaves.



Nymphaea Odorata.

**NYPHÆA ODORATA.**—The well-known white lily of our ponds and streams; very fragrant; golden-yellow center. 20c; 3 for 50c.

**N. ODORATA ROSEA.**—The famous pink water lily of Cape Cod. A very choice variety. 40c; 3 for \$1.00.

**N. ODORATA SUPERBA.**—A large white variety, superior to *N. odorata*, having six rows of petals. 20c; 6 for \$1.00.

**N. MARIACEA CHROMATELLA.**—The grandest of all yellow Nymphæas. Very double; the color being a very beautiful lemon-yellow; a free bloomer and as hardy as an oak. 40c; 3 for \$1.00. 7 for \$2.00.

**N. ALBA CANDIDISSIMI.**—Large white variety of Europe. Flowers large; free bloomer; one of choicest varieties. 50c; 3 for \$1.25.

**N. GLADIOLIFLORA.**—A beautiful glaucous white lily of great merit; size and substance of flower all that can be desired. Flowers earlier and later than any other hardy variety. Greatly admired by all. 80c; 2, \$1.50.

**NELUBIUM SPECIOSUM.**—(*Egyptian or Sacred Lotus*).—A grand lotus; petals very hardy, and one of the loveliest; the flowers when expanding are a beautiful rosy pink; when open, creamy white and pink; very fragrant. Should not be planted outside before the latter part of May. Flowering lilies or plants—40c; 3 for \$1.75.

**WATER HYACINTH.**—Very interesting and beautiful; floats on surface of the water and produces fine spikes of light rosy lilac, orchid-like flowers. Should be grown in about three inches of water. Each, 15c; 5 for 50c; doz., \$1.10.

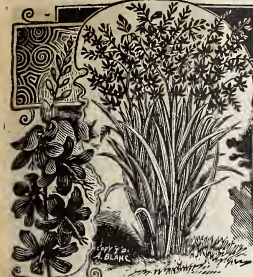
**WATER POPPY.**—(*Limnorchis Humboldtii*).—Flowers a beautiful clear yellow; poppy-like; good for growing in shallow water or aquariums; very attractive. 15c. each; 5 for 50c; doz., \$1.10.

**ORANGE LILY.**—(*Hemerocallis (Xantho plena)*).—Flowers, orange-yellow; full double. 15c. each; 3 for 40c.



Lily Auratum.





Montbretias.

**Montbretias. (Blazing Stars)**—A very desirable summer flowering plant. Scarcely any bulb will give as much bloom. They are hardy, easily grown and propagate amazingly; once planted they care for themselves. The bulbs, planted in groups 6 inches apart in a sunny place and left undisturbed for several years will form magnificent clumps, and throw up large spikes of star-shaped flowers. Spikes form 20 to 30 inches high. They flower freely the first season and should be planted by hundreds.

**Montbretia Crocosmiflora**—Of great beauty; long spikes, large brilliant bright orange flowers dotted with purple spots. Bulbs, 5c. each; 3 for 10c.; doz., 25c.; 100, \$1.75, postpaid.

**Montbretia Aurica**—Beautiful golden yellow flowers. Bulbs 5c. each; 3 for 10c.; doz., 30c.; 50 for \$1.00.

**Montbretia Rosa**—Pretty rose colored flowers. Bulbs 5c. each; 3 for 10c.; doz., 30c.; 50 for \$1.00.

**Montbretia**—Several beautiful varieties mixed. Bulbs, 5c. each; 3 for 10c.; doz., 25c.; 100 \$1.75.

**Manettia Vine.** A beautiful twining plant producing showy tubular flowers in great abundance the entire season. The color of the flower is very striking; they are also covered with a most hairy substance, that adds much to their beauty. As a pot plant to train on a trellis it is unrivaled; grown in this manner, it will bloom for several years; succeeds admirably in open ground. Grows 8 to 10 feet. A plant of rare beauty.

**Bicolor**—Flame color, tipped yellow. 15c.; 4 for 50c.

## HARDY PHLOX.

One of the most satisfactory plants for the garden, and of easy culture. Perfectly hardy, they come up year after year and bloom for months. Each truss of flowers forms a perfect pyramidal bouquet by itself. Colors, represented in our choice collection are rose, carmine, red, purple, pure whites and salmons, with their distinct eyes. Each, 10c.; 3 distinct sorts, 25c.; 15 for \$1.00.

**New Scarlet**—“Ball of Fire”—New variety of brilliant crimson color; very showy; fine contrast with the white. 15c.; 2 for 25c.

**Jean d'Arc, New**—A fine companion to the preceding, growing about same height; large heads pure white flowers. 10c.; 3 for 25c.

## PALMS.

Indispensable for decorations. The following are the most satisfactory and best adapted for house culture.

**THE KENTIA**—(Zelkova) The hardest palm in cultivation, and most satisfactory for house culture. A most graceful plant of slow growth, not affected by dust or dry atmosphere of our heated rooms.

**COCOS WEDDELIANA**—The most elegant of the smaller palms. Slender, erect stems, with graceful arching leaves of rich green. Admirable for fern dishes or use on the table.

**LANTANA BORBNICA**—The old well-known Fan Palm. Very hardy, of easy cultivation, and its large deeply divided fan-shaped leaves make an attractive ornament.

Price of above—Postpaid size—25c. By Express—Each from 50c.

To \$5.00, according to size.

**Dec. 1900**—“The small Palm Plants purchased of you last spring have given abundant returns for the small outlay. Do not see how you can give such good plants for so little money.”—Mrs. D. R.

## PELARGONIUMS.

LADY WASHINGTON OR PANSY GERANIUMS.

Grand old favorites and well-known to all our readers, but the new varieties are much in advance of the old kinds.

**DOROTHY**—One of the finest ruffled or fringed varieties; flowers large, rosy salmon, dark maroon blotched on upper petal, richly shaded plum around the throat.

**MADAME THIBAUT**—White, richly blotched and marbled with rose, immense trusses of large, fine flowers.

**VICTOR**—Bright cherry red, white markings at base of each petal, two upper petals heavily spotted with deep maroon.

**MRS. ROBERT SANDIFORD**—Flowers large size, well doubled, beautifully ruffled, glistening snow-white.

Price of above, each, 20c. The Set of 4 for 75c.

## Ficus Elastica or Rubber Plant.

One of the best plants grown for decorative purposes. It succeeds well with ordinary treatment. Its glossy, thick, dark green leaves seem formed especially to resist the dust and gas to which plants in dwelling houses are exposed. 4-inch pot, 60c.; 5-inch pot, \$1.00; 6-inch pot, \$1.25, by Express, not prepaid.

**MRS. A. MATHEWS, OHIO.**—“Plants arrived in good condition. Thanks for your prompt attention.”



Ficus Elastica or Rubber Plant.

“My Rubber Plant is a beauty. Nothing like it in our town and it is greatly admired by all.”—Mrs. J. S.

**Matrimony Vine.** *Lycium Chinese*.—A vigorous hardy climbing plant with bright purple flowers, succeeded by brilliant scarlet berries, which ripen early and remain late on the vine; grows in any situation, either shade or sunlight, and in any soil. Plants—15c., each; doz., \$1.50.

**Maderia Vine.** The favorite “Climbing Mignonette.”—A rapid growing vine that succeeds in almost any soil; of easy cultivation, covers a large space in a very short time; leaves light green; bears a small, white, feathery, very fragrant flower. Roots—5c.; 6 for 25c.; doz., 40c.; 100, \$2.25.

**Hardy Moon Vine.** *Ipomoea Pandurifolia*.—A rapid growing vine, which increases in size each season. Thrives in any soil and produces luxuriant, compact foliage and quantities of beautiful flowers with purple throat. Tubers—15c. each; 4 for 50c.

## Mexican Morning Glory or Century Vine.

A vine that grows and thrives almost everywhere; one of the best we know of for quick growth, and produces beautiful foliage and handsome flowers in enormous quantities. Its large blossoms are of rosy crimson color shaded violet; they often remain in bloom all day in shaded places; a vine of 40 foot growth is not unusual; roots increase freely like the Irish potato. Not hardy, but its tuberous roots can be wintered like Dahlias. Tubers—15c. each; 4 for 50c.

**Moon Flower.** (*Noctiflora*)—The well known White Moon Flower. A rapid-growing vine, which will easily cover a surface 25-40 feet in a season. At night and during dark days the plants are covered with an abundance of large, fragrant flowers 3 or 4 inches in diameter. One of the most showy annual climbers. Fine plants ready about May 20. Each, 10c.; 6 for 50c.; dozen, 90c.

**English Ivy.** This well known and favorite plant is useful for many purposes. Strong Plants—25c. each; \$2.50 doz. Extra Strong—35c. each; \$3.50 doz.

## PANSY PLANTS.

Favorites with every one, and too well known to need any description. The plants we offer are grown from Livingston's Fancy Strain, embracing large size, best colors and finest forms from best foreign and home collections. Strong Plants—5c. each; doz., 40c.; 100 for \$3.50. Write for prices on larger quantities.

## PÆONIES.

“Pineys of Our Mothers' Garden” (Herbaceous).—A very showy and most useful class of plants; exceedingly hardy, and will flourish in any section, no matter how cold. They grow and flower well in almost any soil with very little care, but the flowers will be finer and the colors brighter if given rich soil and plenty manure. Double White, Rose and Crimson—25c. each; 6 for \$1.25.

## OXALIS.

Summer Flowering—Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage about one foot high; they produce flowers in endless succession. VERY CHEAP—TRY A HUNDRED OF EACH.

**Lasiandra**—Fine rose pink; beautiful foot foliage.

**Dieppe**—Handsome clover-white flowers. Price—Each Sort—Dox., 10c.; 25 for 15c.; 50 for 25c.; 100 for 40c.; 1000 for \$2.50, postpaid.



Lasiandra Oxalis

Dieppe Oxalis





New Double Golden Rudbeckia.

**New Double Golden Rudbeckia.**

One of the most distinct and beautiful hardy perennials. Gives armfuls of large, very double golden yellow flowers, elegantly set off with their own foliage. 15c. each; 4 for 50c.; doz., \$1.20.

**Climbing Ornamental Asparagus.**

**Sprengeri.**—Climbing in-door plants of rare beauty; nothing better for window gardening. Highly praised everywhere; handsomest when drooping from a pot or basket; sprays 4 to 5 feet long, of fresh green feathery foliage, useful for bouquets, wreaths or sprays; remains for weeks after cutting; grows freely the year round; white flowers, followed by red berries. A plant that will please. **Good Young Plants,** 15c.; 4 for 50c.; doz., \$1.25. **Stronger Plants,** 25c.; 3 for 60c.

**Plumous Nanus. (Climbing Lace Fern.)**

Very graceful climbing plant with beautiful bright green leaves; foliage equal to the most delicate fern, and will last for weeks after cutting; excellent house plant; succeeds under almost any condition; many prefer it to the popular Smilax for fine decorations. **Small Plants,** 25c.; 3 for 50c. **Larger Plants,** 35c.; 3 for 90c.



Wistaria.

**SPIREAS.**

**New Perpetual Blooming Red Spirea, Anthony Waterer.**—A fine hardy perennial blooming shrub, particularly desirable for lawns, or wherever fine, hardy flowering shrubs are wanted. Makes nice round bushes 3 feet high and wide; begins to bloom almost as soon as planted, continuing all summer and fall; rich rose-red flowers in large round clusters all over the bush.

**Spirea Arguta Multiflora.**—Of dwarf, drooping habit; flowers pure white; fine foliage; commences to bloom in June.

**Spirea Aurea.**—Golden-leaved; white flowers; bloom in June.

**Spirea Fortunei Rosea.**—Bright pink flowers.

**Spirea Bumalda.**—Light rose flowers.

**PRICE, postpaid.**—Strong plants that will bloom this season, each, 15c.; 2 for 25c. One each of above 5 **Spireas** for 55c., 2-year-old size, larger plants, by express, each, 25c. One each of the 5 for \$1.00.

**JAPAN SNOWBALL.**

Valuable hardy shrub; flowers as large as the old variety but much more numerous; often 20 balls on a branch. Growth upright and compact; foliage olive-green. One year plant, postpaid, each, 25c.; **Larger Plants,** by express, 40c.

**The Common Old Fashioned Snowball, postpaid.**—1 year plant, each, 15c.; 2 for 25c. **Larger plants** by express, 2 to 3 feet, each, 25c.; five feet high, each, 50c.



Swainsonia.

**SWAINSONIA ALBA.** A most desirable free flowering plant with white flowers, the blooms resembling a Sweet Pea. Its easy culture, growing in almost any light position, freedom of bloom, grace and beauty of the flowers and plant makes it very popular for house culture. **Plants,** 15c.; 4 for 50c.

**SWAINSONIA ROSEA.**—Beautiful rose-color, exactly like ALBA, save color, and combines with it very beautifully. **Plants,** 15c.; 4 for 50c.

**Sweet-Scented Shrub.** (*Calycanthus Floridus.*)—Flowers purple, very double, deliciously fragrant; remains in bloom a long time. Very desirable. **Good Plants,** 15c. **Larger Plants,** 25c. to 50c.

**Salvia Splendens.** "Bonfire."—Finest of all Scarlet Sagres. Brilliant spikes of flowers well above the foliage all season; about 2 feet by 2 feet. Each, 10c.; doz., 80c.

**Wm. Bedman.**—Best dwarf; free flowering; rich scarlet. Each, 10c.; 3 for 25c.; doz., 80c.

**New Silver Spot.**—With pretty spotted leaves. Each, 15c.; 2 for 25c.

**VERBENAS.** Many shades of the mammoth stam plant. **Plants,** each, 8c.; doz., 50c.; \$3.00 per 100.

**VIOLETS.** **MARIE LOUISE.**—The favorite winter-flowering variety; not hardy in the North; flowers rich purple; stems long; foliage rich dark green. Each, 10c.; 4 for 35c.; doz., \$1.00.

**CALIFORNIA.**—Single flowers; largest of all single varieties; clear violet purple; very fragrant. Each, 10c.; 4 for 35c.; doz., \$1.00.

**Hardy Russian Violets.** Double. Hardy; deliciously fragrant; free flowering; color, deep violet; grows and blooms in any garden; free from disease. **Good cemetery plant.** 10c.; 4 for 35c.; doz., \$1.00.

**Wistaria.** Very popular, hardy, rapidly growing up to 50 feet or more. It flowers early in spring and when in bloom is truly magnificent. **Flowers in masses,** like bunches of grapes.

**Sinensis, Blue.**—Soft lavender-blue; fragrant. 25c. **Sinensis, White.** 35c.

**VINCA MAJOR.** A drooping plant for baskets and vases; beautiful green leaves, edged with white. 10c. each; doz., \$1.00.

**Yucca.** Adam's Needle.—A tropical looking plant, with long narrow leaves that remain green the entire year; flower stems, 3 to 4 feet high, bearing a large spike of creamy-white bell-shaped flowers. "Fine for cemetery lawn, center plant, etc. **Good Roots,** 25c. **Stronger Roots,** 35c.

**Boston Sword Fern, (Nephrolepis Exaltata Bostoniensis.)**

A variety which originated in the vicinity of Boston, where it has been in popular favor for a number of years under the name of Boston Fern. About Boston no other plant is used so extensively as this Nephrolepis, which differs from the ordinary Fern in having much longer fronds, which frequently attain a length of 4 feet. These fronds arch and droop over very gracefully, on account of which it is frequently called the Fountain Fern. This drooping habit makes it an excellent plant to grow as a single specimen on a table or pedestal. **PRICE, postpaid.**—3-inch pots, 25c. **Plants from 4-inch pots,** 35c. **By Express, not prepaid.**—Good Large Plants, from 5-inch pots, 75c.; from 6-inch pots, \$1.00. **Extra Large Plants,** with fronds from two to three feet in length, \$1.50.

**TUBEROSES.**

One of the most delightfully fragrant and beautiful summer flowering bulbs. Its waxy white flowers are the sweetest scented that grow. The growing plant is fond of light and heat and should not be planted outside before April 1. If planted in 5 or 6-inch pots and sunk in the ground late in autumn they can be taken indoors for flowering. Our **Tuberose Bulbs** are Grown and Cured with greatest possible Care, and our annual output is many thousands.

**DOUBLE DWARF PEARL TUBEROSE.**—Flowers large size and very double. **Mammoth.**—Postpaid, each, 6c.; 3 for 15c.; doz., 60c. By Express, at buyer's expense—Doz., 40c.; 50 for \$1.50; 100 for \$2.50. **Extra Large First Size Bulbs.**—By Mail, 4c. each; 5 for 15c.; doz., 35c. By Express, not prepaid, 3 for 10c.; doz., 25c.; 100 for \$1.50. **Second Size Bulbs.**—By Mail, 6 for 15c.; doz., 25c. By Express, not prepaid, 6 for 12c.; doz., 20c.; 100 for \$1.00. All our Tuberoses are flowering size. For large, perfect flowers we recommend the larger bulbs.

**VARIEGATED LEAVED.**—Leaves striped; flowers single; bloom earlier year after year. Each, 5c.; 6 for 25c.

**SPECIAL PRICE ON LARGER QUANTITIES OF TUBEROSES.**

Boston Sword Fern,  
(Nephrolepis  
Exaltata  
Bostoniensis.)



Rough Rider.



# SMALL FRUITS

OUR PRICES are what we think will rule for Good Reliable Plants, but are Subject to Market Changes after about March 1st. We will be pleased to make Special Prices for Larger Quantities than here quoted. Write us for prices, stating about what is wanted in kind and quantity.

Prices quoted are net cash prices. We are surprised to find that prices of plants are so low.

**Price of Plants.** Livey. No plants sent C. O. D. Not less than 6 of any one kind furnished at dozen rates, 50 at 100 rates, or 500 at 1000 rates.

**PLANTS BY MAIL.**—Plants are packed with Sphagnum Moss and oiled manilla paper, so they will go safely to any part of the United States.

**ERRORS,** with our system, very rarely occur; when they do, we gladly rectify them, if notified at once.

**GUARANTEE.**—The plants being propagated in special beds, and labeled when taken up, it seems impossible to make a mistake, but if one does occur we are not to be held responsible for any damage beyond the amount received for the plants.

**RESULTS.**—We have no control over plants after their delivery, in good shape, for transportation; hence, we cannot guarantee any results whatever, but our responsibility ceases when delivered to Express Company's Agent for shipment.

## Strawberries.

Plant in March, April or May, on good ground, deeply worked and well manured. Set in rows 3½ feet apart, 15 inches in rows for field culture; 15 inches each way for garden. Cultivate clean; mulch late in the fall and uncover early in spring. Remove mulch after fruiting and spade in a light dressing of manure. Varieties marked (P) have imperfect flowers; they will not produce well unless every 4th or 5th row is a perfect flowering variety. Those marked (S) are perfect flowering. When planted as above the imperfect (P) flowering sorts are the most prolific. **No Plants Shipped by Freight.**

**THE NEW STRAWBERRY Rough Rider.** This famous berry is a seedling of Eurcka fertilized by Gandy. Prolific. Enormously productive, hardy and free from disease. Berries very large, roundish, but some are flattened and pointed. Color, dark red. The latest and firmest strawberry in existence; good pickings made as late as August 1. Plants, *postpaid*—1 doz., 75c.; 25, \$1.25; 100, \$3.50. By Express, 100, \$3.00; 500, \$13.00; 1000, \$25.00.

**Nick Ohmer** S—A grand and beautiful berry; a success in all parts of the country; remarkable for health, luxuriant growth; great size and fine quality; plant large and stocky; plenty of strong runners. Not surpassed in great productiveness by any variety. Fruit of largest size, dark glossy red, firm and of excellent flavor. *Postpaid*—1 doz., 75c.; 25, \$1.25; 100, \$3.50. By Express, 100, \$3.00; 500, \$13.00; 1000, \$25.00.

Margaret.

## Raspberries.

**Munger. (Black Cap)**—Single specimens measure 1 inch in diameter. Brings the highest market price. Resembles Gregg, better flavored, excels in size, ripens 5 to 8 days later; extra fine for canning and evaporating; withstands drought and hot sun. *Postpaid*—10c. each; 3 for 25c.; doz., 40c.; 100, \$1.75. By Express, (not paid), 100, \$1.50.

**COLUMBIAN (Purple Cap)**—A remarkable berry indeed; fine, large, deep purplish-red, of high flavor; perfectly hardy; enormously productive; grand berry for table and canning. *Postpaid*—10c. each; doz., 35c.; 100, \$1.50. By Express, (not paid), 100, \$1.25.

**GOLDEN QUEEN**—Handsome golden-yellow berry; finest flavor; very productive. *Postpaid*—10c. each; doz., 40c.; 100, \$1.50. By Express, (not paid), 100, \$1.00.

**JAPANESE WINEBERRY**—Deep red, glossy, borne in large clusters; esteemed for canning, preserves, jellies, etc. *Postpaid*—10c. each; doz., 50c.; 100, \$2.00. By Express, (not paid), 100, \$1.50.

**CUTHBERT RED**—The leading red market berry all over the country; productive; large size; quality good. *Postpaid*—10c. each; doz., 35c.; 100, \$1.25. By Express, (not paid), 100, \$1.00.

**PRICES FOR LARGER QUANTITIES ON APPLICATION.**

## Blackberries.

**NEW WHITE ICEBERG**—As productive, hardy, abundant, handsome and delicious as black ones. Canes loaded with delicious juicy fruit. *Postpaid*—10c. each; doz., 75c.; 100, \$4.00. By Express, (not paid), 100, \$3.00.

**SNYDER**—Hardy. More largely planted than any other, both for market and home use; no hard sour core; few thorns.

**EARLY HARVEST**—The best early; fruit black; productive.

**WILDE GRASS**—The best white; large, of delicious quality.

**OHMER**—The best late; large; ripens after Raspberries; firm; sweet.

**DEWBERRY, LUCKETIA**—Ripens early; hardy; remarkably productive; berries 1½ inches long, 1 inch in diameter; sweet; luscious.

**Blackberry Plants, except Iceberg**—*Postpaid*, 10c. each; doz., 35c.; 100, \$1.25. By Express, (not paid), 100, \$1.00.

**SPECIAL PRICES ON LARGER LOTS.**

## Currants.

The plants of this fruit should be set 4 feet apart in good rich soil. Cultivate well.

**VERSAILLES**—An old standard; very large red, of excellent quality.

**VICTORIA**—Large, bright red; bunches long; very productive.

**WILDE GRASS**—The best white; large, of delicious quality.

**NORTH STAR**—Very hardy; early; abundant fruiter; strong grower.

**RED DUTCH**—Promise bearer; very strong grower.

**Plants.** One Year Plants—*Postpaid*, 10c. each; 3 for 20c.; doz., 75c.; 50 for \$2.50. By Express, (not paid), 100 for \$1.25; 50 for \$2.25; 100 for \$3.00. Two Year Plants—25 for \$1.25; 50 for \$2.25; 100 for \$3.00. Two year plants must be by Express.

Munger.



**LOUDON**—The finest new red; ripens quite early; holds out very late, very productive; large; superior quality; beautiful crimson. *Postpaid*, 10c. each; doz., 75c. By Express, (not paid), 100, \$1.25; 1000, \$10.00.

**MILLER RED**—Very early. Berries large and very firm. *Postpaid*, 10c. each; doz., 40c.; 100, \$1.50. By Express, (not paid), 100, \$1.00.

**EUREKA, LOTTA and GREGG**—Well-known Black Caps. *Postpaid*, 10c. each; doz., 40c.; 100, \$2.00. By Express, (not paid), 100, \$1.50.

**THE BEST MOORE'S DIAMOND**—Early; the best white grape in existence.

**SIX . . . Grapes.** **CONCORD**—Universally popular; succeeds everywhere; purplish black. Very productive.

**BRIGHTON**—Best red; very early; large bunches; rich as Delaware.

**DELAWARE**—Bunch small, compact; light red; sweet; finest flavor.

**WORDEN**—A very popular black grape; ripens earlier than Concord.

**Prices of above.** *Postpaid*, each, 10c.; 8 for \$1.00. By Express, (not paid), 100 for \$5.00. One Year Vines, each, \$1.00; 50 for \$2.75; 100 for \$5.00. Two Year Vines, each, \$1.25; 50, \$3.25; 100, \$6.00.

**SPECIAL PRICE FOR CONCORDS**—One Year Vines, 50 for \$2.00; 100 for \$3.75. Two Year Vines, 50 for \$3.00; 100 for \$5.00.

**Campbell's Early.** A Grape of Special Merit, with very strong, vigorous, hardy vine and thick, healthy midrib resisting foliage; abundant clusters of very large, compact and handsome black grapes; flesh rich and sweet; very early. **Choice One Year Vines**—Each, 40c.; 2 for 75c.; 5 for \$1.50. **Two Year Vines**—Each, 60c.; 2 for \$1.00; 5 for \$2.00.

## Gooseberries.

Plant in good rich soil in rows 5 feet apart by 3 feet in the row.

**RED JACKET**—Thrifty grower, free from mildew; hardy; productive; large ruby-red berries. *Postpaid*—Each, 15c.; doz., \$1.50; 100, \$9.00.

**DOWNING**—Enormously productive; large, pale green; splendid quality. *Postpaid*—Each, 10c.; 3 for 25c.; doz., 85c.

We can furnish first-class **Downing Cuttings**, 5 to 7 ins., *postpaid*, at 5c. each, 10 for 30c.; 50 for 75c.; 100 for \$1.00. By Express (not paid) 100 for 50c.; 1000 for \$3.00. **Prices for Larger Lots on Application.**

Nick Ohmer.

**Sample.** P—Berries large, round, very dark rich crimson; flesh firm, dark, rich, juicy, of splendid quality; productiveness, fine form, handsome appearance and high quality makes it one of the best.

**BRANDY WINE**—S—Extra large, handsome, firm and solid, of superior quality, and one of the best canning sorts on account of its firmness and deep color. *Medium late*, and holds almost as late as Gandy.

**RIDGEWAY**—S—An ideal plant; large, stocky, healthy and vigorous; a good pollinizer, and remains in bloom a long time. Berry large, smooth, bright glossy crimson; quality as good as the best. *Midseason.*

**WM. BELT**—S—One of the best ever introduced. Extra large, very productive, brilliant red; quality extra fine; good shipper. *Midseason.*

**LOVETT**—S—Fruit good size, bright red; firm; productive; valuable as a fertilizer for imperfect (P) flower kinds. *Early.*

**GANDY**—S—Standard late variety. Fruit large and handsome; very uniform in shape; firm; splendid shipper; vigorous and hardy. *Late.*

**HAVERLAND**—P—A grand market berry; immensely productive; large, somewhat long and pointed. *Early to late.*

**CLYDE**—S—Gives entire satisfaction in all parts of the country; perfectly healthy; berries keep up in size, are firm, and of uniform conical shape; a first-class fertilizer for Haverland. *Medium early.*

**SPLENDID**—S—It produces an immense crop of good sized berries; uniform in size; excellent shipper; good plant maker. *Midseason.*

**Strawberry Plant Prices.** All Varieties, except otherwise quoted, Express (not paid)—100, 60c.; *postpaid*—Doz., 25c.; 100, 80c. By Express, 100, \$3.00; 500, \$13.00; 1000, \$25.00.

**NO PLANTS SENT BY FREIGHT.**

## Fertilizer, Plant Foods, etc

As there is now very strong competition in fertilizers, we prefer to make Special Prices to parties wanting it in TON OR CAR LOTS. Fertilizers F. O. B. Columbus.

**RAW BONE MEAL**—Guaranteed Analysis: Nitrogen, 3.70 to 4.53 per cent.; Ammonia, 4.50 to 5.50 per cent.; Total Phosphoric Acid, 22 to 25 per cent.; Total Bone Phosphate, 48 to 51 per cent. Our Raw Bone Meal is made from hard bones, is evenly ground and very white. Nothing finer can be made. Price—10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

**BONE MEAL**—Guaranteed Analysis: Nitrogen, 2.47 to 3.29 per cent.; Ammonia, 3 to 4 per cent.; Total Phosphoric Acid, 21 to 28 per cent.; Available Phosphoric Acid in Reverted Form, 10 to 11 per cent.; Total Bone Phosphate, 62 to 61 per cent. Made from pure, finely ground bones, steamed in vats. It enriches and builds up the soil. It is very largely used on winter wheat and cereals of all kinds and also on lawns. Price—10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

**FRUIT AND ROOT CROP SPECIAL**—Guaranteed Analysis: Nitrogen, 1.65 to 2.46 per cent.; Ammonia, 2 to 3 per cent.; Total Phosphoric Acid, 10 to 12 per cent.; Available Phosphoric Acid, 8 to 10 per cent.; Potash, K, O, 5 to 6 per cent. For fruit trees, small fruit, sugar beets, potatoes, etc., quick and lasting. Price—10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

**ALL SOLUBLE**—Guaranteed Analysis: Nitrogen, 2.88 to 3.70 per cent.; Ammonia, 3.50 to 4.50 per cent.; Total Phosphoric Acid, 10 to 12 per cent.; Equal Bone Phosphate, 21 to 26 per cent.; Available Phosphoric Acid, 8 to 10 per cent.; Potash Soluble, 2 to 4 per cent.; Potash, Sulphate, 7.40 to 9.25 per cent.; Potash, K, O, 4 to 5 per cent. A quick, strong fertilizer. Adapted for tobacco, hops, potatoes, flax, sugar beets, cabbage, cauliflower, celery, fruits, etc. Very finely ground and dry. Price—10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

**NITRATE OF SODA**—For early vegetable crops, especially where late growth is desired and will pull up under the roots. As the market fluctuates, these prices are liable to change without notice. 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$1.25; 200 lbs., \$3.00.

**LAND PLASTER OR GYPSUM**—Used by many potato and vine growers. Excellent to mix with Paris green at rate of 100 lbs. Plaster to 1 lb. Paris green. For the striped bug on melons and other vines, in the evening, to a bucket of Plaster add one tablespoonful of kerosene, cover close and apply next day. This will be found very effective and cheap. Per barrel of about 300 lbs., on cars, \$1.75; 5 bbls., for \$8.00.

Write for Prices on Murate and Sulphate of Potash, "Kalait," etc.

**CRUSHED OYSTER SHELLS**—Manufactured from good, clean shells. All poultrymen use it. 20 lbs., 30c; 100 lbs., 75c.

**COARSE GROUND BONE**—About the size of wheat or cracked corn, and should be kept within reach of poultry. 25 lbs., \$1.00; 100 lbs., \$2.50; 200 lbs., \$4.75.

**MICA CRAY**—A nicely granulated rock for poultry, plaster, ducks and geese. We consider it quite valuable to the poultrymen. 25 lbs., 40c; 100 lbs., \$1.25.



### Walker's Excelsior Plant Food.

Obtains and perfectly soluble for house plants. A pound box sufficient for 25 ordinary sized plants for one year. 1 lb., 25c; (by mail, 40c); 2 lbs., 50c; 5 lbs., 1.25.

### Bowker's Plant Food.

For House Plants. Perfectly odorless and clean. Express package, 25c; 2 lbs., \$2.50. By mail postpaid, box, 40c.

Packages of food contain a pamphlet for treatment of house plants, with directions for applying.



### Jadoo Fibre

Is a new growing substance for plants of all kinds. Plants make rapid growth. The health of the plant is denoted by its rich dark-green foliage. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.10. In full bags, about 100 lbs., 1.25, per lb. Ton or one-half ton, \$20.00 per ton. Less than one-half ton, 15c. per lb. Ton or one-half ton, \$20.00 per ton.

### Jadoo Liquid

Is the cheapest fertilizer used. Both meat and drink to plants. 25c. per pint bottle; 2-gal. can, \$1.50; 5-gal. can, \$3.50; 10-gal. can, \$6.50.

### SPHAGNUM

Fine, clean Sphagnum for florists' use. Give it a trial. (Bales weigh about 10 pounds). Per bale, \$1.25.

### SERGEANT'S DOG REMEDIES.

Condition Pills, post-paid, large box, \$1.00; small box, 50c.

Sure Shot, (by Express only), 50c.

Mange Cure, (Express only), 50c.

Soft Carbolic Soap, (by mail), 50c.

Arsenic and Iron Pills, 50c.

Canker Wash (Express only) 50c.

Wear State Agents for these excellent Remedies.

GLOVER'S DOG SOAP—25c per cake; by mail, 50c.



Books on Dogs, their Aliments, How to Treat them, FREE. Medicines and Food for Dogs, Birds, etc.—Write for what you want.

## INSECTICIDES, FUNGICIDES, Etc.

### Slug Shot.

Non-poisonous. No danger need be apprehended by the person applying it. It does not render injurious vegetables or fruits on which it is applied, and is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms and insects that chew. It comes ready to be applied, and is simply dusted lightly on. For further information send for "Fighting Insects in the Garden." Sent free. Prices—Barrels, holding 235 lbs. net, \$9.00; keg of 125 lbs., \$1.85; 50 lbs., \$2.25; 10 lbs., 50c; 25 lbs., 35c. By mail, postpaid, 1 lb., 30c; 3 1/2 lbs., \$1.00.

**HAMMOND'S CRAPE DUST**—For the prevention and destruction of mildew on plants. Price—5 lb. package, 35c; kegs of 100 lbs., \$5.50. By mail, postpaid, 30c. per lb.

**HAMMOND'S COPPER SOLUTION**—A Concentrated Liquid Fungicide—Prepared ready for immediate use on trees, vines or vegetables affected with rot, blight or scab. This solution can be handled safely by any ordinarily careful person. Put up in quart cans which must be sent by express or freight, at purchaser's expense. Per can, 60c.

**Dusters for Slug Shot or other Powders**—1/2 gal. size, 30c; gal. size, 60c.

**TABACCO DUST**—Very effective, being leaves, not ground stems. Used on cabbage and in vegetable hot houses. 1 lb., 10c; by mail, postpaid, 30c. By express, 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$3.25.

**TABACCO STEMS**—For fumigating plants infested with green fly, etc. Per lb., 15c; bbl., \$1.00.

**ROSE LEAF EXTRACT OF TOBACCO**—One of the most effective articles for the destruction of all insects and scale on plants; a pure concentrated extract of tobacco diluted from 30 to 150 parts of water. Full instructions for the various methods of applying, given in "Rose Leaf" pamphlet mailed on application. Price—Pint can, 30c; quart can, 55c; gallon, \$1.50; 5 gallon can, \$5.50. Must go by freight or express at buyer's expense.

**TABACCO AND SULPHUR**—Destroys rose bugs, lice, cutworms, vine borers, tomato worms, currant worms, cabbage lice and parasites of all descriptions. Should be applied when the foliage is wet. Also a most complete fertilizer for plants and vines. Easy to apply, and will not burn or injure the plants. Makes healthy, vigorous growth. Earthworms will not live where it is used. 1/2 lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00. By mail, 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00.

**BORDEAUX MIXTURE**—For black rot, downy mildew and anthracnose of grapes, potato blight, potato rot, leaf blight of cherry, pear, quince, and other fungus diseases. 20-lb. pkg. (50 gals. wash), \$1.00.

**PYRETHRUM, PERSIAN INSECT POWDER, or BUHACH**—Very destructive to all kinds of insects, such as roaches, ants, fleas and other insects on plants and animals. A very little will do the desired work. 10c., 10c; 1/2 lb., 20c; 1 lb., 50c. By mail, 1 lb., extra.

**WHALE OIL SOAP**—Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. Price—25c. per lb.; 2 lbs., 40c. If by mail, add 10c. per lb. for postage.

**FIR TREE OIL SOAP**—A most excellent insecticide for greenhouses and house plants. 1/2 lb. tin, 25c; (by mail, 30c); 2 lbs., 75c; (by mail, \$1.00); 5 lbs., \$1.75; 10 lbs., \$3.25; 20 lbs., \$6.00, by express or freight at buyer's expense.

**PARS GREEN**—1/2 lb., 15c; 1 lb., 20c; 1 lb., 30c. By mail 1 lb., extra.

**HELLEBORE, POWDERED WHITE**—For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and London Purple, and water to use when fruits and vegetables are nearly ripe. 1/2 lb., 10c; 1 lb., 20c. By mail, 1 lb., extra.

### Rust's Egg Producer

greatly increases egg-production and makes poultry keep the most profitable of rural pursuits. Keeps fowls healthy, and shortens moult. It pays well to feed it right along. Try this! Prices: 1 lb. box, 25c; 1/2 lb. box, 15c; 1 lb. box, 50c; 1 lb. box, 100c; 10 lb. box, \$1.50; 25 lb. box, \$3.50. The last three sizes must be sent by express or freight and are the cheapest to use.

**RUST'S HAVEN'S CLIMAX CONDITION POWDER** is very much more than a condition powder. It is the only known cure for Fowl-Cholera and Caper; it is just what every owner of poultry needs to save his fowls and keep them healthy. It is invaluable to raisers of Turkeys. And it has saved many Hens, Hocks and Cows. Try it! 15c. per box, 25c. 1/2 lb. box, 42c; 1 lb. box, 50c; 1 lb. box, 85c; 5 lb. box (equal to six 25c. boxes), \$1.00.

**RUST'S HAVEN'S ROUP PILLS** for Roup, Catarrh Glands, Pilezoon Diseases, etc. THEY DO CURE. Box of 48 Pills, 25c; Box of 250 Pills, \$1.00. Mailed on receipt of Price.

**LAMBERT'S DEATH TO LICE**—Sure death to chicken lice. Price—15-oz. box, 25c; 14-oz. package, 50c; 100-oz. package, \$1.00. If to be sent by mail add one cent per ounce to pay postage.

**WATER** (Trade Mark)

three sizes must be sent by express or freight and are the cheapest to use.

**RUST'S HAVEN'S CLIMAX CONDITION POWDER** is very much more than a condition powder. It is the only known cure for Fowl-Cholera and Caper; it is just what every owner of poultry needs to save his fowls and keep them healthy. It is invaluable to raisers of Turkeys. And it has saved many Hens, Hocks and Cows. Try it! 15c. per box, 25c. 1/2 lb. box, 42c; 1 lb. box, 50c; 1 lb. box, 85c; 5 lb. box (equal to six 25c. boxes), \$1.00.

**RUST'S HAVEN'S ROUP PILLS** for Roup, Catarrh Glands, Pilezoon Diseases, etc. THEY DO CURE. Box of 48 Pills, 25c; Box of 250 Pills, \$1.00. Mailed on receipt of Price.

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# PLANET JR. TOOLS FOR 1901.

Space will not permit showing and describing here all of the PLANET JR. TOOLS, but we will send a beautifully illustrated catalogue FREE to any who desire it. PLANET JR. goods are standard machines—different from all others. Improvements have been made for 1901.

## PLANET JR. No. 3 SEEDER.

Price, - \$10.00



**Planet Jr. No. 3 Seeder.** Planting in rows and thinning afterward is a terrible time-waste. The No. 3 Seeder puts the seed right on the spot where the hill is wanted. Plants 4, 6, 8, 12 or 24 inches apart, or in a continuous row, as desired. Changed in a moment. Holds 3 quarts. Price, \$10.00.

## PLANET JR. No. 4 COMBINED DRILL AND SINGLE WHEEL HOE.

Price, Complete, - \$11.00  
As a Drill only, - \$8.00



## Planet Jr. No. 4 Combined Drill and Single Wheel Hoe.

The Drill is the same style as No. 3 Seeder, but smaller. By moving only one bolt the drill is taken off and the tool frame attached, making it one of the best of the Planet Jr. Single Wheel Hoes. This gives you the "whole business" in one tool. Price, \$11.00.

**Planet Jr. No. 2 Seed Drill.** Its beauty is its regular work and extreme simplicity—no agitators, no belts, no gearing. Sows seed at a uniform depth in a very narrow line, making easy and rapid work for the Wheel Hoe in cultivating. \$7.50.

## PLANET JR. No. 11 DOUBLE WHEEL HOE.



**Planet Jr. Double Wheel Hoe.** This Wheel Hoe is a famous labor saver. It will do a variety of work that is almost incredible, and it is changed and adjusted with marvelous ease and quickness. The wheel can be set to four different widths and the frame at three heights. The tools are changed without removing a single nut.

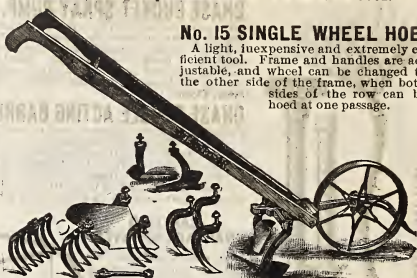
**No. 11 WHEEL HOE,** with 8 pairs of tools as shown in cut. \$8.50.  
**No. 12,** with Plows, Hoes, wide and narrow Cultivator Teeth and Leaf Lifters. \$6.50.

**No. 13,** with Hoes only. \$4.50.

The Market Gardener without PLANET JR. TOOLS has about the same chance of success as a weaver without power looms, or a broker without the telegraph. Hand tools, one-horse tools, two-horse tools, all are improved—better every year. Get the latest catalogue—1901.

## No. 15 SINGLE WHEEL HOE.

A light, inexpensive and extremely efficient tool. Frame and handles are adjustable, and wheel can be changed to the other side of the frame, when both sides of the row can be hoed at one passage.

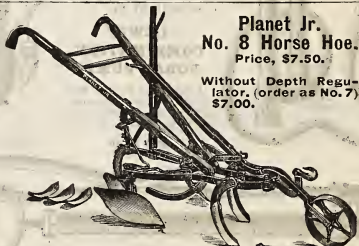


**No. 15,** with 12 Tools, as shown in cut, \$6.50  
**No. 16,** with Plow, two Hoes, three Cultivator Teeth, two Rakes and Leaf Lifter. \$5.50.  
**No. 17,** with Plow, two Hoes, and three Cultivator Teeth, \$4.75.  
**No. 18,** with Hoes only, \$3.25.

## Planet Jr. No. 8 Horse Hoe.

Price, \$7.50.

Without Depth Regulator, (order as No. 7) \$7.00.

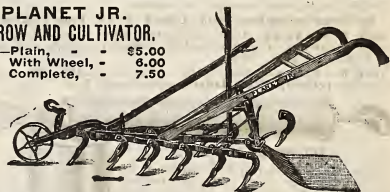


**Planet Jr. No. 8 Horse Hoe.** Will do more kinds of work than any other horse hoe, New Depth Regulator and Expander. Hollow Steel Standards. Strong and Light. No gardener can afford to be without one of the Planet Jr. Horse Hoes.

**Planet Jr. No. 9 Horse Hoe.** Has bolted wheel in place of lever wheel and depth regulator. Otherwise same as No. 8. Price, \$6.50.

## PLANET JR. HARROW AND CULTIVATOR.

Price—Plain, - \$5.00  
" With Wheel, - 6.00  
" Complete, - 7.50



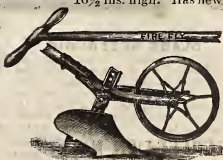
This Harrow has a high frame contracting to 12 inches and expanding to 32 inches in width. Hand levers regulate both width and depth while in motion. The chisel-shaped teeth cut an inch wide and cultivate deep without throwing earth on the plants. Has Foot Lever Pulverizer. A capital Strawberry Cultivator, turning the runners without injury. Strawberry Runner Cutter Attachment, extra, \$1.50.

**Planet Jr. No. 5 Hill and Drill Seeder.** Holds 4 quarts. Wheel 16 1/2 ins. high. Has new Force Feed. Easily and quickly changed from hill to drill work. Price, \$13.00.

**PLANET JR. FERTILIZER AND PEA DRILL. \$10.00.**

## "FIRE FLY" PLOW.

Unvaluable for use in small gardens. Moldboard of tempered and polished steel. The depth is easily and quickly changed. Very useful to plow up chicken yards. Price, \$2.25.



# Sprayers, Syringes, Florists' Supplies, &c.



THE CHASE BUCKET SPRAY PUMP.

**CHASE BUCKET SPRAY PUMP.** The Cylinder and all the working parts of arranged that they can be replaced by any one. Has a very effective clamp for holding the pump to bucket or tub when in operation; can be moved up or down to suit height of vessel; is much more substantial and will stand greater pressure than the majority of Bucket Spray Pumps. Has a larger air chamber, which allows the pump to work easy and insures a steady stream. When used with patent Fog Nozzle and Agitator will insure you most effective and perfect work. 4 feet of 3-ply rubber hose. Price, \$3.00.

**CHASE DOUBLE ACTING BARREL SPRAY PUMP.** This Pump has 2 1/2 inch Brass Lined Cylinder, large air chamber, and is fitted up to stand heavy pressure.

No. 1—Has 2 1/2 feet Suction Pipe and Strainer. \$5.75

No. 2—With one Hose, one Nozzle Agitator. 6.50

No. 3—Has two Hoses, two Nozzles, without Agitator. 7.75

No. 4—With two Hoses, two Nozzles, and Agitator. 8.50

Extension Pipe, 8 feet long, 40 cents extra. Regular length of hose with this pump, when hose are ordered, is 4 feet each; when extra lengths are wanted add 8c. per foot.

## GARFIELD KNAPSACK SPRAYER.

Made entirely of brass and copper. The tank holds 6 gallons, has brass pipe 15 inches long and Combination Vermorel Nozzle attached. Price, \$10.00.

**VERMOREL SPRAY NOZZLE.** (postpaid), \$1.25.

## LEWIS' COMBINATION FORCE PUMP.

A Spraying Pump, Agricultural and Veterinary Syringe all combined. Works perfectly.

Only \$5.00.



GARFIELD KNAPSACK SPRAYER.

**CHASE PATENT FOG NOZZLE.**—We would be pleased to go into details in explaining the construction of this nozzle, but on account of its simplicity and thoroughly effective work, it is necessary to be seen and operated to be appreciated. A vast improvement over many of the so-called Spray Nozzles, which, really, are only sprinklers. The careful attention of fruit growers invited to this nozzle. Price, separate from Pump, 60 cents.

## MYER'S BUCKET BRASS SPRAY PUMP.

With Agitator, complete with hose. Combination Fine and Coarse Spray and Solid Stream Nozzle. Constructed of brass, and is not affected by poisonous arsealites, used for spraying. For spraying it is so arranged that it discharges a fine jet in bottom of the bucket to keep the solution thoroughly mixed. Price, complete, \$4.00.



Chase Double Acting Barrel Spray Pump.



FOG NOZZLE.



LEWIS' COMBINATION FORCE PUMP.

## SYRINGES.

**BRASS GREENHOUSE AND GARDEN SYRINGES.**—Useful for all horticultural purposes, and are fitted with Caps for Roses, for ejecting water one stream or dispersing it in the most gentle manner, or with great force, when required.

Sent only by Express at expense of the purchaser.

One Stream and one Spray Nozzle—Letter A—\$1.85. Letter C—\$3.00.

**Letter G (New Sample)**—Open rose Syringe, barrel 16 inches long by 1 1/2 inches in diameter. One spray and one stream Rose, Side Attachment and fixed elbow joint. \$4.00

**Letter H**—Cheap; all brass, 18x1 1/2 in.; strong, durable, fills quickly, discharges perfectly—\$2.00. **Letter K**—Size smaller, \$1.50.



ECLIPSE No. 1 AND 4.

Eclipse No. 1 is our very best; all brass, detachable discharge tube; rotary air motion; made on honor; will last a life-time. Each, \$1.00. By Mail, \$1.25.

**ECLIPSE No. 4.** All heavy tin, rotary air motion, wide area, funnel, stationary brass discharge tube; detail work same as No. 1. Each, 60c. By Mail, 85c.



## GLASS RESERVOIR.

Double discharge tubes, same as Perfection No. 6, except that the reservoir is made of a Mason fruit jar. Will not corrode, and has the decided advantage of allowing the operator to see at any time the amount of material in the reservoir. The very latest pattern. The Sprayer for everybody. Must go by Express. Each, only \$1.00.

**PERFECTION No. 6.** Heavy, tin air pump; galvanized iron reservoir holding one quart; double discharge tubes. "Built for business." Each 75c. By Mail, \$1.00.



POWDER BULB.



PUTTY BULB.



RUBBER SPRINKLER.



ANGLE RUBBER SPRINKLER.

**RUBBER SPRINKLER.**—By Mail, 90c. By Express, 80c.  
**PUTTY BULB.**—The best appliance for distributing putty. Used by a large number of leading florists, who have proven its merit. By Mail, 90c. By Express, 80c.  
**DRY POWDER BULB.**—For applying any kind insect powder to plants, etc. Very useful for house plants. By Mail, \$1.10. By Express, \$1.00.

## CHAMPION VEGETABLE WASHER.



Champion Vegetable Washer, for washing bunched vegetables; a very simple and effective invention; any child can operate it and wash from 250 to 350 bunches per hour if directions are followed. Those using this machine need not get a drop of water on their clothes or hands. Send for special circular. Price, \$7.50.



AT PRICES GIVEN TOOLS, ETC., MUST GO BY FREIGHT OR EXPRESS, AT BUYER'S EXPENSE, Unless Otherwise Noted.

**BUSHEL BASKETS**—Standard bushel size; strong and durable. Dozen, \$1.50; each, 20c. Must be sent by freight.  
**GARDEN LINES**—100 feet Braided Linen, 40c.; Cotton, 25c.

### FLOWER POTS. MUST GO BY FREIGHT.



STANDARD SIZE.	Per 1000.	Per 1000.
1 1/2 in. doz. \$ 10	\$ 45	\$ 3 50
2 in. " "	50	4 00
2 1/2 in. " "	55	4 50
3 in. " "	70	6 00
3 1/2 in. " "	80	8 00
4 in. " "	90	9 00
5 in. " "	1 75	15 00
6 in. " "	2 00	20 00
7 in. " "	45	.....
8 in. " "	1 00	4 50
9 in. " "	1 25	11 00
10 in. each,	.....	.....
12 in. " "	50	22 50

**LABELS.** Painted Pot Labels. Best made. Put up in packages of 1,000 each.

3 inch.....per 1,000 \$ 45	5 inch.....per 1,000 \$ 80
3 1/2 "....." 53	6 "....." 1 00
4 "....." 60	8 "....." 2 50
4 1/2 "....." 67	10 "....." 3 50

### VAN REYPER'S

#### PERFECT GLAZIER'S POINTS.

These are made of steel wire and galvanized, having double points and lap over the glass in such a manner as to positively keep it from sliding. They may be used on either side of the sash bar, thus preventing the annoyance of rights and lefts.

Per box of 1,000, 60c. Lots of 5,000 and over, per box, 55c. Pinchers for driving, 50c. If wanted by mail send 14c. per box of Points or per pair of Pinchers, extra for postage.



### EUREKA FUMIGATORS. Made of Best Galvanized Iron.

For house 10x20 feet.....\$1 25 For house 15x100 feet.....\$2 00  
 For house 12x40 feet.....1 50 For house 20x100 feet.....3 50

### PRUNING SHEARS. The Best Made.

Very strong. Best steel blades and an excellent spring.



Two Sizes—Price, 90c. and \$1.00.  
**PRUNING SAW AND CHISEL, Combined.** \$1.  
**PRUNING SAW**—Double Edge. 16-in., 60c.; 18-in., 70c.; 20-in., 80c.

**TELEGRAPH TREE PRUNER**—No handle, but has threads on inside of socket and can be screwed to any length pole. \$1.

**EAGLE PRUNING SHEARS**—The well-known 2-handle shears. Light and powerful. The best made. No. 1—\$2.50. No. 2—\$2.25.

### WATERS' TREE PRUNER.

4 foot.....\$ 75 8 foot.....\$1 00  
 6 foot.....\$ 85 10 foot.....\$ 1 15  
 12 foot.....\$1 25.

**HEDGE SHEARS**—Three sizes—\$1.50, \$1.75 and \$2.00.

**LANG'S WEEDER.**  
 Each.....\$ 20  
 Dozen.....2 25

**EXCelsior WEEDER**—Very useful for weeding seed beds, stirring soil in hot beds, cold frames, etc. Postpaid, 15c.; by express, 10c.

**THISTLE OR WEED CUTTERS**—For cutting thistles, docks, other weeds, etc., without breaking the surface of the lawn. 50c.

**BELLOWS**—For dusting plants with sulphur or like material. Two sizes—Each, \$1.00 and \$1.25.



### CLIPPER GRAIN AND SEED CLEANER.

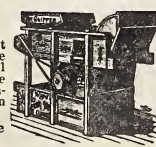
We have used and sold the Clipper almost constantly for 15 years and pronounce it the best, strongest and most economical mill made up to date, and yet sells at the same price of any ordinary mill. No. 1, for general use, has 8 sieves (7 zinc), cleans Grain and seeds of all kinds—\$20.00.

Prices for larger sizes and Special Purpose Clippers made on application.

**RAFFIA. IMPORTED. BEST GRADE.** Gives better satisfaction than any other thing for tying Plants, Asparagus bunches, etc. Light, neat, strong, durable and very cheap. Lb. 25c.; 10 lbs. at 20c.

**White Cotton Twine.** For tying Herbs, Radishes, Beets, Celery, Onions, Salsify, etc. Pound, 25c.

**JUTE.** For tying Vegetables, etc. Pound, 20c. (Twine, Jute and Raffia sent by mail, add 15c. per pound postage.) Prices on twine subject to market changes.



### Hazeltine's Hand Weeder.

In general use. Blade Solid Steel, tempered, 3/4 inch wide and 1/2 inch thick, sharpened on all edges.

Postpaid, 25 cents. By express, 20 cents.

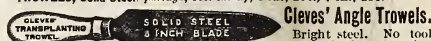
### GARDEN DIBBLE.

Postpaid, each, 50c. By express, 35c.; 3 for \$1.00.



### GARDEN TROWELS

TROWELS, Ordinary, (postage 5c. extra), 5-in., 15c.; 6-in., 20c.; 7-in., 25c. TROWELS, Solid Steel (postage, 10c. extra), 6-in., 40c.; 7-in., 45c.



### Cleves' Angle Trowels.

Bright steel. No tool equals it for removing dandelions, plantain, dock, etc., from lawns. It is strong and not easily broken; does not injure the lawn and gets the weed root and branch every time, besides being a first-class transplanting trowel. Small size, 20c., postpaid, 25c. Large size, 30c., postpaid, 40c.

**HOES, SCUFFLE**—5-inch, 55c.; 6-inch, 60c.; 7-inch, 65c. Handles, 15c. extra.

**TURF EDGERS**—For trimming edges of walks—75c.

**GRASS HOOKS**—30c.; by express only.

### PLANT BED CLOTH.

A protecting Cloth of Water-Proof Fiber; an excellent substitute for glass in forwarding all kinds of plants in the early spring; safer, as it protects at night, and the plants will not burn if the sash is left on in hot weather. Being light and portable it can be sent into sections where it would be difficult to get sash. We sell thousands of yards annually, and customers are well-pleased with it. All pieces are a yard wide and contain from 40 to 60 yards each.



**PRICES**—Heavy Grade, per yard, 12c.; by the piece, per yard, 10c. Medium Grade—best for general purposes—per yard, 10c.; by the piece, per yard, 8c. Light grade, per yard, 5c.; by the piece, per yard, 4c.

**Mail Prices**—Customers at a distance who wish to try a few yards can have it sent by mail, postpaid, as follows: Light, 8c. per yard; medium, 15c. per yard; heavy, 21c. per yard. Samples free on application.

**HOT BED SASH.** BEST CYPRESS—3 1/2 feet x 6 feet, unglazed, for SPECIAL SIZES TO ORDER. 8x10 glass, each, \$1.00, dozen, \$11.50.

**THERMOMETERS**—Hot bed or Mushroom, 75c.; Greenhouse, 25c.; Incubator, 75c. Cannot be mailed.

### "Out O' Sight" Mole Trap.

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. Can be used in hot bed under sash. The secret of mole catching is a good trap, and to know their habits. Full directions sent with each trap. By mail, \$1.25; by express, \$1.00.

"OUT O' SIGHT" MOUSE TRAP—10c.; postpaid, 12c.

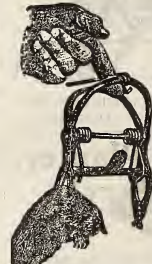
"OUT O' SIGHT" RAT TRAP—20c.; postpaid, 25c.

**DEAN'S MOLE TRAP.**

Easily adjusted and never fails to get the mole when properly placed. \$1.25.

**HALE'S MOLE TRAP.**

Well-known standard trap. \$2.00.



### Pruning and Budding Knives.

Budding, No. 2179, by mail, 85c. By express, 80c.

Pruning, No. 2269, by mail, 85c.; by express, 80c.

**PICKING SCISSORS**—No. 133, by mail, 80c.; by express, 75c.

**BROADCAST SEED SOWERS—LITTLE GIANT.** Best made for Sowing Clover, Timothy, etc. No. 1 (Fid. dle-Bow), \$1.50. No. 3 (Crank), \$1.75. Must go by Freight or Express.

DEAN'S MOLE TRAP.

**JOHN BROOKS, Franklin Co., Pa.:** "The 'Out O' Sight' Mole Trap is all right. I have caught 9 moles."

**J. T. MOTTER, Supt. Oak Hill Cemetery, Georgetown, D. C.:** "The sample trap at hand and is, in truth, 'Out O' Sight.' Enclosed please find \$2.00 for two more of the same sort."

**LITTLE GIANT HARNESS RIVETER.****A MONEY SAVER. NEAT AND COMPACT.**

Weights 20 ounces. Utilizes the hollow rivet and countersinks both heads, so that anyone can use it anywhere. Just the thing to have in the tool box of a self-blinder. Saves many a trip to town, besides a cash outlay. Repairs leather, rubber belting, etc. Useful in a thousand ways to farmers. Does its work as perfect as a \$50.00 machine, and costs but **50 CENTS.** (Postpaid, 70c.)

**ACME Seed Drill.**

Just the thing for Small Gardens and Sowing in Hot Beds

New, Practical, Simple, Durable. A child can use it. Sows regularly such seed as Beet, Cabbage, Carrot, Celery, Onion, Lettuce, Radish, etc. Saves seed and time and is cheap.

**PRICE, 75 CENTS,** buyer paying charges, or delivered by us for only \$1.00.

**CURVED and CONCAVE****Seed Potato Knife.**

Everybody is well pleased with this knife. It is thin, and will cut one, two or three eyes in a piece easier, better and faster than in any other way. Give it a trial, and if you are not satisfied that it will pay you to cut your potatoes with it, return it and your money will be refunded.



Postpaid, 30 cents.

6 for \$1.50.

**Please note in the Potato Department how this KNIFE MAY BE HAD FREE.**

**Aspinwall Sprayer.****Aspinwall Paris Green Sprinkler.****Aspinwall Potato Cutter.**

Prices on above and other Machines made known on Application.

**Aspinwall Potato Planter.**

The Best Planter in the World.

Great Labor Saver.

6 to 8 Acres Planted per Day in One 8" Operation Absolutely Guaranteed Has attachment for planting Corn, Beans and 8 En-lage and Distributes Fertilizer.

We have sold this Planter for 13 years and have never sold one but what the customer thought it one of the best investments he ever made.

**With Disc Coverers.** This machine is intended for growers who prefer to ridge up high and plant deep.

**We are Aspinwall Potato Planters & SELLER THAN EVER this season. Don't fail to write us if in need of a Planter. We can interest you.**

**Lawn Mowers.**

We handle the famous high and low wheel Coldwell machines: both horse and hand. They are strictly first-class machines. A little higher in price than some, but this is overcome by the quality of material and workmanship. Very light draft. Fully guaranteed. Write for prices.



For years there has been a demand for a Lawn Roller of moderate price, but such a tool was not made. A few years since we made a few for our home trade and they gave such good satisfaction that we offered them to the public this season for the first time. They are a Practical Well Made, Durable and Convenient Tool for all lovers of a good lawn. We make two sizes. No. 1 is 18 inches long, 14 inches in diameter and weighs about 210 lbs. No. 2 is 20 inches long, 18 inches in diameter and weighs 350 lbs. No. 1 is the general favorite.

**PRICE—No. 1, \$4 00. No. 2, \$6.50.**

**EAGLE ONE-HOLE CORN SHELLER.**

No. 2.

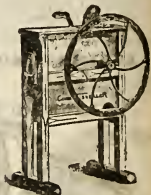
A Practical Machine for the Farmer. Shells Field or Pop Corn.

Wrought Iron Spoke Balance Wheel made of the Best Material. All gearing is inside. Large throat to receive the ears of corn.

One of the Best Hand Corn Shellers in the market. Weight 125 pounds.

**PRICE.**

With Fan and Feed Table,	\$7.50
Without Fan,	6.50
Without Fan or Feed Table,	6.00

**The Columbus Corn Sheller.**

Anyone, with a little practice can shell a bushel of corn in 5 minutes.

A Well Made Machine. Not Easy to Get Out of Order.

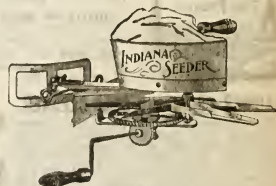
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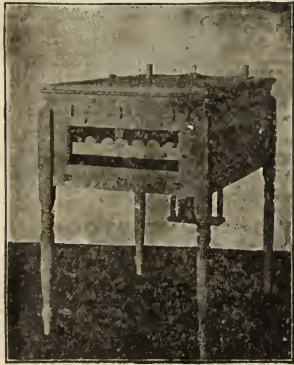
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No. 2, ".....	27"x37"	210 "	170 "	215 "	26.00
No. 3, ".....	30"x46"	200 "	200 "	260 "	32.00
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No. 2, ".....	27"x37"	210 "	150 "	195 "	25.00
No. 3, ".....	29"x46"	200 "	180 "	240 "	32.00
Special Duck.....	30"x46"	200 "	200 "	260 "	32.00

### Style C, Hot-Air Out-Door Brooder.

	Dimensions.	Capacity.	Weight, Crated.	Price.
No. 1.....	30"x36"	100 Chickens.	125 lbs.	\$12.00
No. 2.....	48"x48"	150 "	185 "	16.00

### Style D, Hot-Air Indoor Brooders.

	Dimensions.	Capacity.	Weight, Crated.	Price.
No. 1.....	24"x35"	80 Chickens.	61 lbs.	\$7.00
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Incubator and Brooder Prices are F. O. B. Columbus.

## TABLES. Showing the Quantity of Seed Usually Sown Upon an Acre.

LBS. PER BUS.			LBS. PER BUS.			LBS. PER BUS.		
Beans, Dwarf, in drills.....	60	2 bus.	Grass, Kentucky Blue.....	14	2 to 3 bus.	Pens, Wrinkled, in drills.....	56	2 to 3 bus.
Beans, Pole, in hills.....	60	10 to 12 qts.	Grass, Orchard.....	14	1 1/2 to 2 bus.	Pens, broadcast.....	56	3 bus.
Beets, Table, in drills.....	60	5 to 6 lbs.	Grass, English Rye.....	21	1 to 1 1/2 bus.	Potatoes, (cut tubers).....	60	8 to 12 bus.
Beets, Mangel Wenzel.....	60	5 to 6 lbs.	Grass, Red Top.....	14	2 bus.	Pumpkin, in hills.....	60	1 lb.
Broom Corn, in hills.....	40	8 to 10 qts.	Grass, Timothy.....	45	1 peck.	Radish, in drills.....	56	8 to 10 lbs.
Buckwheat.....	50	4 to 13 pecks.	Grass, Hungarian.....	48	1 bus.	Rye, broadcast.....	56	1 1/2 to 2 bus.
Cabbage—beds to transplant	40	1 lb.	Grass, Lawn.....	20	1 bus.	Salsify, in drills.....	56	8 to 10 lbs.
Carrot, in drills.....	60	2 bus.	Melon, Mink, in hills.....	20	2 to 3 lbs.	Spinach, in drills.....	56	10 lbs.
Clover, Red.....	60	20 lbs.	Melon, Water, in hills.....	20	1 to 2 lbs.	Squash, bush, in hills.....	56	3 to 4 lbs.
Clover, White.....	60	12 to 15 lbs.	Oats, broadcast.....	32	2 to 3 bus.	Squash, running, in hills.....	56	2 to 3 lbs.
Clover, Alsike.....	60	10 lbs.	Onion, in drills.....	60	1 to 5 lbs.	Sugar Cane.....	56	12 lbs.
Clover, Lucerne or Alfalfa.....	60	20 lbs.	Onions for Sets, in drills.....	60	40 to 60 lbs.	Tomato, to transplant.....	56	1 lb.
Corn, in hills.....	50	8 to 10 qts.	Onion Sets, in drills.....	60	6 to 12 bus.	Turnip, broadcast.....	56	1 lb.
Corn, for fodder.....	56	3 bus.	Parsnip, in drills.....	60	1 to 6 lbs.	Turnip, in drills, 1 oz. to.....	56	1 1/2 lbs.
Cucumber, in hills.....	60	2 lbs.	Peas, Round, in drills.....	60	2 to 3 bus.	250 feet of drill.....	56	1 1/2 lbs.

### Number of Plants or Trees to the Acre at Given Distances.

DIST. APART.	NO. PLANTS.	DIST. APART.	NO. PLANTS.	DIST. APART.	NO. PLANTS.	DIST. APART.	NO. PLANTS.	DIST. APART.	NO. PLANTS.
12 x 1 inch.....	922,720	21 x 1 inch.....	201,360	36 x 3 inch.....	58,080	48 x 12 inch.....	10,890	8 x 3 feet.....	1,815
12 x 3 ".....	174,240	21 x 18 ".....	15,520	36 x 12 ".....	14,520	48 x 18 ".....	7,790	8 x 8 ".....	680
12 x 12 ".....	43,560	24 x 21 ".....	10,890	36 x 18 ".....	9,680	48 x 24 ".....	5,145	10 x 1 ".....	4,556
16 x 1 ".....	392,040	30 x 1 ".....	209,280	48 x 21 ".....	7,260	48 x 36 ".....	3,336	10 x 6 ".....	720
18 x 1 ".....	318,180	30 x 6 ".....	71,848	48 x 36 ".....	2,808	48 x 48 ".....	2,630	10 x 10 ".....	435
18 x 3 ".....	116,160	30 x 12 ".....	17,424	36 x 36 ".....	1,810	48 x 48 ".....	2,723	12 x 1 ".....	3,630
18 x 12 ".....	29,040	30 x 16 ".....	13,068	42 x 12 ".....	12,446	60 x 36 ".....	2,901	12 x 5 ".....	736
18 x 18 ".....	19,360	30 x 20 ".....	10,454	42 x 21 ".....	6,223	60 x 48 ".....	2,178	12 x 12 ".....	302
20 x 1 ".....	313,655	30 x 24 ".....	8,712	42 x 36 ".....	1,118	60 x 60 ".....	1,713	16 x 1 ".....	2,222
20 x 20 ".....	15,681	30 x 30 ".....	6,570	42 x 42 ".....	3,556	8 x 1 feet.....	5,115	16 x 16 ".....	170

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PKT 20 CTS  
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# Livingston's Grass Seed.

## CAPITOL LAWN MIXTURE.

SEE  
page 59



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TESTED SEEDS, SURE TO GROW  
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